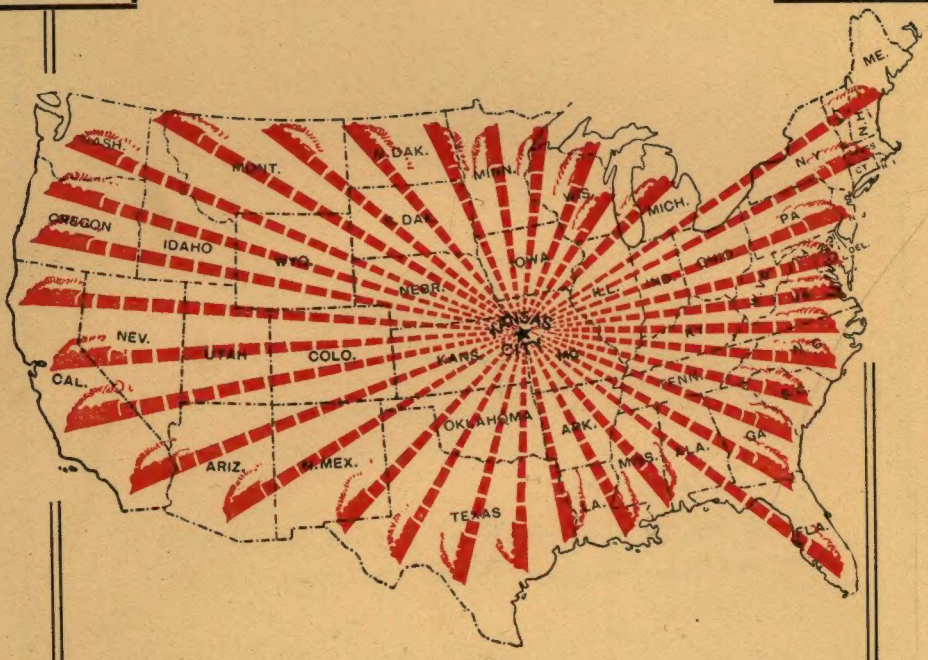
ROSS MFG. CO.

KANSAS CITY, MO.

CATALOG C

TD (AT 1915 Ross Mfg. Co.
ATHENAEUM OF PHILADELPHIA
Gift of
Daniel Diehl



KANSAS CITY IS THE HEART OF AMERICA. A glance at the map at the top of the page shows our geographical location. This is the reason we are able to give the efficient service which we do. Kansas City is the second largest railroad center in the United States and has thirty-two distinct railroad lines, which radiate in every direction. On an average, 1,500 cars of freight enter and leave Kansas City daily.

In shipping to distant points we route our freight in through package cars, which are sealed in Kansas City and are not opened until they reach their destination. This gives our customers prompt service.

CATALOG "C"

ROSS MANUFACTURING CO.

MANUFACTURERS
AND JOBBERS OF

High Grade Plumbers' Specialties

ROSS QUALITY
TRADE MARK
ROSS
IS ECONOMY

1225 Lydia Avenue
KANSAS CITY, MISSOURI

CHAS. E. BROWN PRINTING CO., KANSAS CITY

To Our Customers:

We take pleasure in presenting our Catalog C, in which you will find many new items.

We solicit your mail order business and assure you of prompt and efficient service. All mail orders are shipped the same day as received.

In order to give our customers prompt service, we urgently request when ordering goods they specify the quantities in which we have our goods boxed. This saves much time in filling orders and eliminates mistakes which are liable to occur when it is necessary for us to break packages.

Our goods are packed and boxed in quantities as you will find them listed in this catalog. These boxes are also neatly labeled for your convenience in placing them on your shelves. This is another reason why you should order material as it is listed and boxed.

You will find a supply of mail order blanks in the back of catalog.

We thank our many customers for their past favors and hope for a continuation of same.

Yours truly,

ROSS MANUFACTURING COMPANY.

#22588925B
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Td Cat
1915

Ross.ill

Nickel-Plated Brass Towel Bars

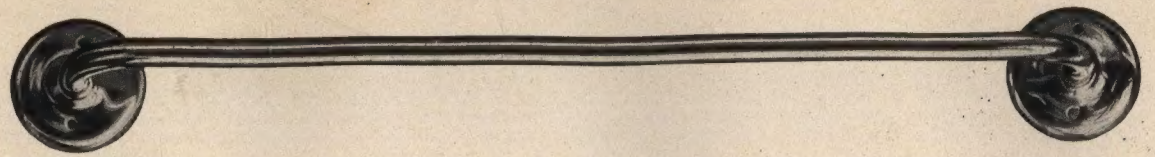


Fig. C101

½x15 Inches	Per Dozen $16.00	½x24 Inches	Per Dozen $21.60
½x18 Inches	Per Dozen 18.20	½x30 Inches	Per Dozen 25.60

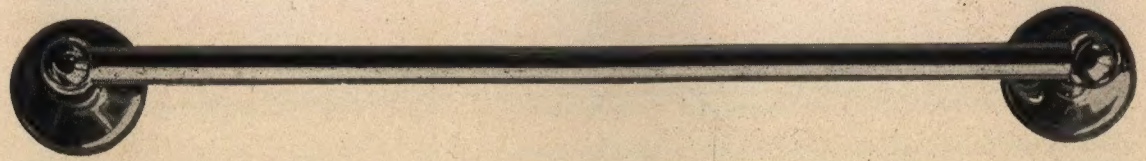


Fig. C102

⅝x15 Inches	Per Dozen $38.00	⅝x24 Inches	Per Dozen $44.40
⅝x18 Inches	Per Dozen 39.00	⅝x30 Inches	Per Dozen 50.80

Ross Manufacturing Co. Kansas City, Missouri

ROSS QUALITY IS ECONOMY

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

ROSS QUALITY IS ECONOMY

Double Towel Bars

Nickel-Plated Brass With Cast Brass Brackets.

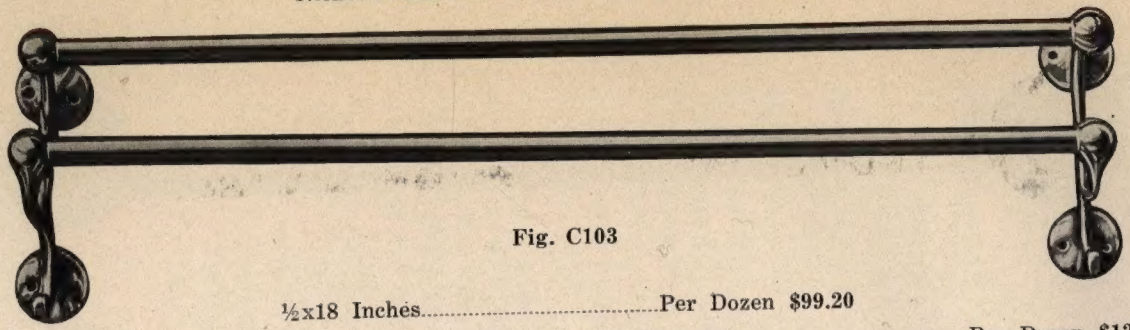


Fig. C103

½x18 Inches.....Per Dozen $99.20

½x24 Inches.....Per Dozen $108.00

½x30 Inches.....Per Dozen $120.00

Nickel-Plated Towel Bars or Hand Rails

Heavy Pattern with Nickel-Plated Cast Brass Brackets.

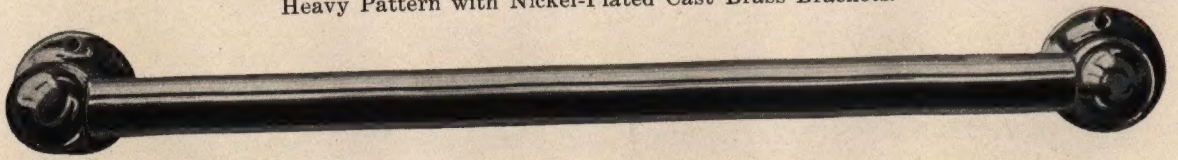


Fig. C104

1x18 Inches.....Per Dozen $62.00

1x24 Inches.....Per Dozen $68.00

1x30 Inches.....Per Dozen $72.80

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Two-Prong Folding Towel Rack

Nickel-Plated Brass. Length of Prongs 12 Inches.

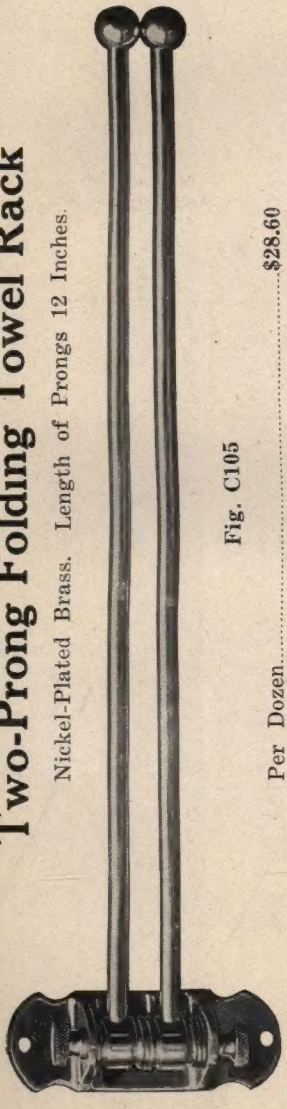


Fig. C105

Per Dozen.....$28.60

Three-Prong Folding Towel Rack

Nickel-Plated Brass. Length of Prongs 12 Inches.

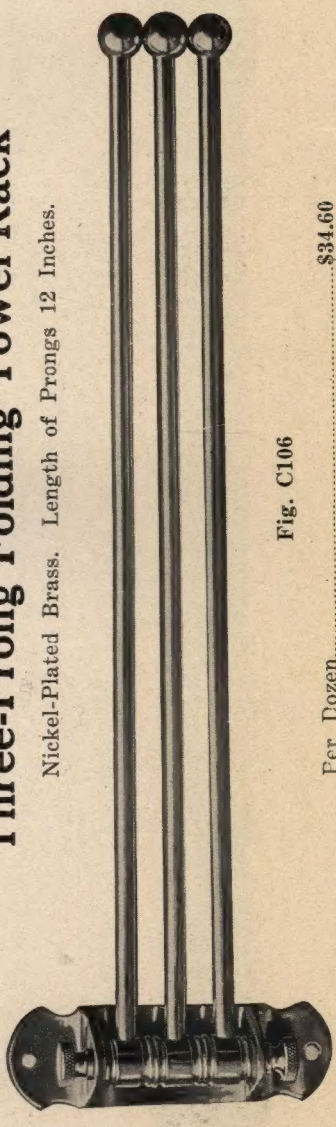


Fig. C106

Per Dozen.....$34.60

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Polished Crystal Glass Towel Bars

Nickel-Plated Heavy Cast Brass Brackets.

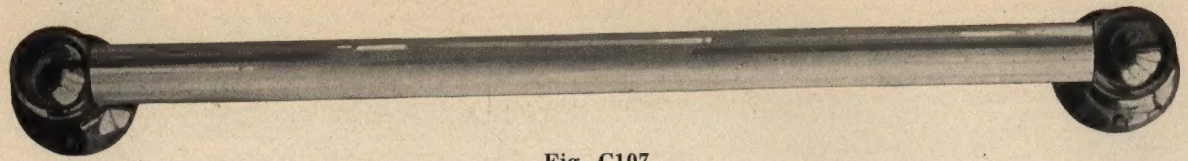


Fig. C107

1x18 Inches.....Per Dozen **$72.00**

1x24 Inches.....Per Dozen **$79.00**

1x30 Inches.....Per Dozen **$89.00**

Polished Opal Glass Towel Bars

Nickel-Plated Heavy Cast Brass Brackets.

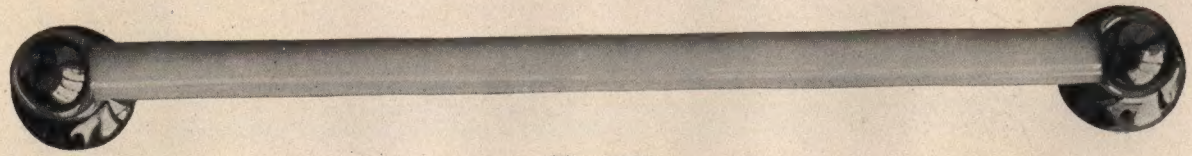


Fig. C108

1x18 Inches.....Per Dozen **$78.00**

1x24 Inches.....Per Dozen **$85.00**

1x30 Inches.....Per Dozen **$96.00**

ROSS QUALITY TRADE MARK ROSS IS ECONOMY

Tooth Brush Holders

Nickel-Plated Brass. For 4 Brushes. Numbered 1 to 4.

Fig. C109

Per Dozen.....$6.00

Tooth Brush Holders

Nickel-Plated Brass. For 6 Brushes. Numbered 1 to 6.

Fig. C110

Per Dozen.....$7.20

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Tumbler Holder

Nickel-Plated Brass.

Fig. C111

Per Dozen.....$17.20

Tumbler and Tooth Brush Holder

Nickel-Plated Brass.

Fig. C112

Per Dozen.....$20.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Tumbler Holder

Nickel-Plated Brass.

Fig. C113

Per Dozen..... $24.80

Tumbler and Tooth Brush Holder

Nickel-Plated Brass.

Fig. C114

Per Dozen..... $29.60

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Wall Soap Dish

Nickel-Plated Brass Without Drain.

Per Dozen.....$10.40

Fig. C115

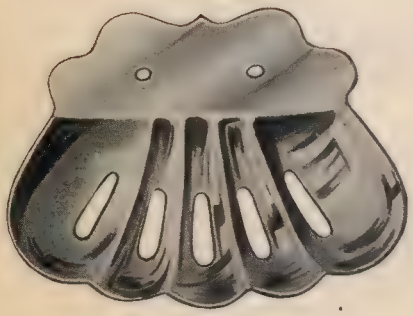


Fig. C116

Wall Soap Dish

Nickel-Plated Brass With Drain.

Per Dozen.....$10.40

Corner Soap Dish

Nickel-Plated Brass With Drain.

Per Dozen.....$12.00

Fig. C117

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Wall Soap Dish with Hook

Nickel-Plated Cast Brass.

Fig. C118

Per Dozen..... $24.00

Basin Soap Dish

Nickel-Plated Brass.

Per Dozen..... $18 00

Fig. C119

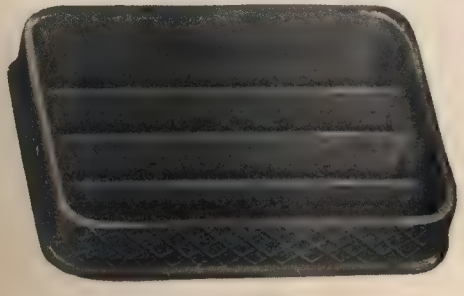


Fig. C120

Rubber Soap Dish

Per Dozen..... $7.20

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Kitchen Soap Dish

Nickel-Plated Brass.

Fig. C121

Per Dozen.....$24.00

Kitchen Soap Dish With Coil Spring Hangers

Adjustable to Any Sink Bibbs. Nickel-Plated Brass.

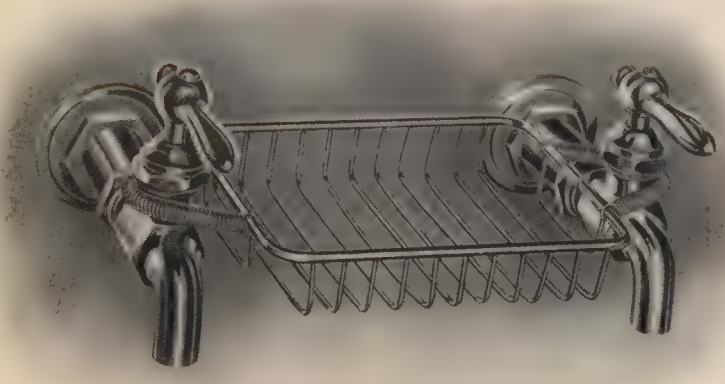


Fig. C122

Per Dozen.....$22.40

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Polished Crystal Plate Glass Shelves

Nickel-Plated Cast Brass Brackets.

Fig. C123

5x18 Inches	Per Dozen	$55.40
5x24 Inches	Per Dozen	58 80
5x30 Inches	Per Dozen	94.00

Polished Opal Plate Glass Shelves

Nickel-Plated Cast Brass Brackets.

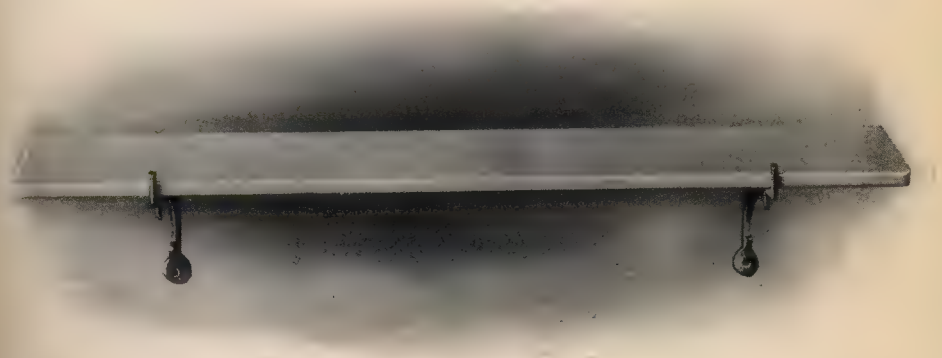


Fig. C124

5x18 Inches	Per Dozen	$ 60.60
5x24 Inches	Per Dozen	67.60
5x30 Inches	Per Dozen	112.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Combination Crystal Plate Glass Shelves and Towel Bars

Nickel-Plated Brass Brackets.

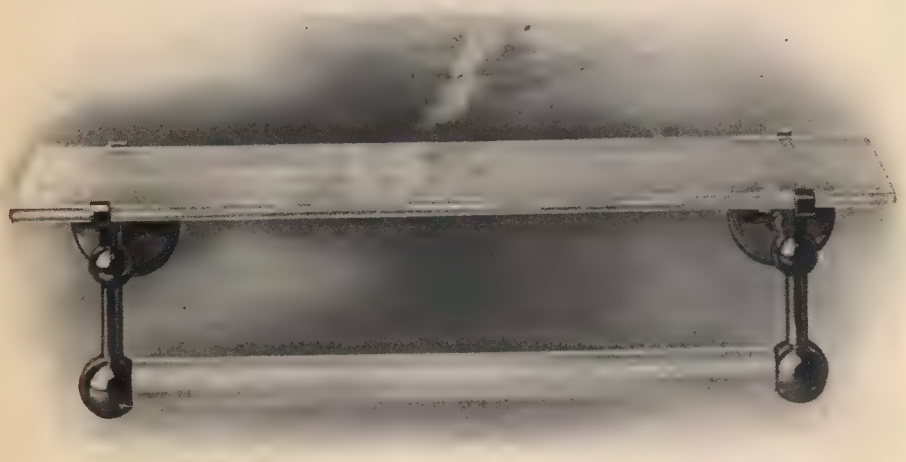


Fig. C125

5x18 Inches.....Per Dozen $116.00 5x24 Inches.....Per Dozen 125.00
5x30 Inches.....Per Dozen 165.00

Combination Opal Plate Glass Shelves and Towel Bars

Nickel-Plated Brass Brackets.

Fig. C126

5x18 Inches.....Per Dozen $128.00 5x24 Inches.....Per Dozen 140.00
5x30 Inches.....Per Dozen 192.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Combination Bath Soap Dish and Sponge Holder

Nickel-Plated Cast Brass.

Fig. C127

Per Dozen..... $80.40

Bath Tub Soap Dish

Nickel-Plated Cast Brass.

Fig. C128

Per Dozen..... $52.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Combination Bath Soap Dish and Sponge Holder

Nickel-Plated Brass.

Fig. C129

Per Dozen.....$58.60

Bath Tub Soap Dish

Nickel-Plated Brass.

Fig. C130

Per Dozen.....$20.80

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Toilet Paper Holder

Nickel-Plated Cast Brass.

Fig. C131

Per Dozen.....$34.00

Toilet Paper Holder

Nickel-Plated Brass.

Fig. C132

Per Dozen.....$17.80

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Toilet Paper Holder

Nickel-Plated Brass.

Fig. C133

Per Dozen with Plain Plate..... $ 9.60
Per 100 with Plain Plate..... 70.00
Per 100 with Customer's Name on Plate..... 80.00

We cannot accept an order for less than 100 of these with customer's name on plate.

Cast Brass Shower Head

Fig. C134

Nickel-Plated with Removable Face.
Diameter, 5 inches.
Thread, ½-inch Iron Pipe Size.
Fitted with Air Valve.

Each $7.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Tubular Shower Head

Nickel-Plated Copper With Fancy Border. Diameter, 7½ Inches. Thread, ½-Inch Iron Pipe Size.

Fig. C135

Each $10.00

Plain Shower Head

Nickel-Plated Copper With Fancy Border. Diameter, 7½ Inches. Thread, ½-Inch Iron Pipe Size.

Fig. C136

Each $7.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Bath Spray

Nickel-Plated With Rubber Ring and Rosewood Handle.

Fig. C137

Per Dozen.....$57.50

Bath Spray

Nickel-Plated With Rubber Ring and Rosewood Handle.

Fig. C138

Per Dozen.....$40.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Bath Spray

Nickel-Plated Brass With Rubber Ring.

Fig. C139

Per Dozen.....$11.30

Bath Spray

Nickel-Plated Brass With Rubber Ring. Fitted With 5 Feet of Pure White Rubber Tubing and Nickel-Plated Holdfast Bulb.

Fig. C140

Per Dozen.....$30.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Fig. C141

Y Connections

Nickel-Plated Brass.

For Mixing Hot and Cold Water. To Be Used with ⅜-Inch Rubber Tubing.

Per Dozen.....$6.00

Hold Fast Connection

Nickel-Plated Brass.

Slips Over Spout of Bath or Basin Cock. Will Not Pull or Blow Off. To Be Used with ⅜-Inch Rubber Tubing.

Per Dozen.....$10.00

Fig. C142

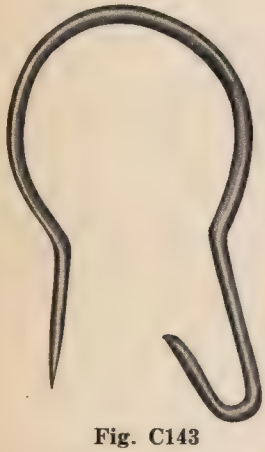


Fig. C143

Shower Curtain Hook

Nickel-Plated Brass.

Per Dozen.....$1.80

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Bath Tub Seat

Endless Rubber Covered Brackets, Heavily Nickel-Plated. Oak Board 6x19 Inches. Well Finished. Fits Any Bath Tub.

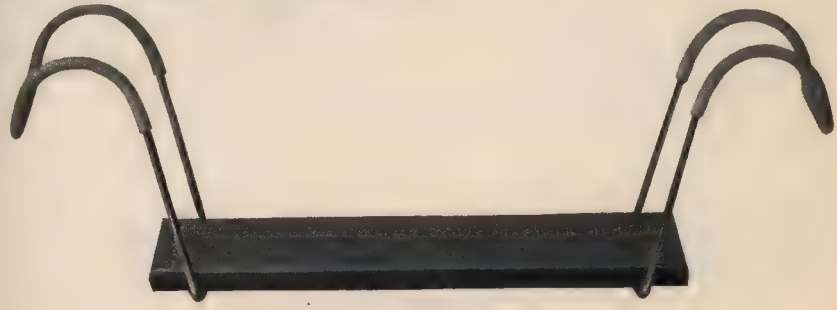


Fig. C144

Per Dozen $39.60

Bath Tub Seat

Extension Pattern. Bottom Clamps for Adjustment. Endless Rubber Covered Brackets, Heavily Nickel-Plated. Oak Board 6x19 inches. Fits Any Bath Tub.

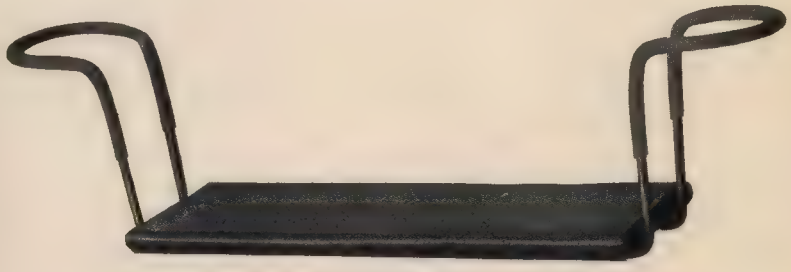


Fig. C145

Per Dozen $45.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Nickel-Plated Brass Hooks

Cuts Actual Size.

Fig. C146

Per Dozen.....$3.80

Fig. C147

Per Dozen.....$3.80

Per Dozen.....$5.00

Fig. C148

Fig. C149

Per Dozen.....$10.40

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Specialty Cases

For Rubber Goods and Specialties of All Kinds.

This case contains 24 drawers, as follows:

8 drawers 3x2x10
6 drawers 4x3x10
6 drawers 4x4x10
4 drawers 6x6x10

Size: 25½ in. wide, 23 in. high, 11¼ in. deep.

Made only in solid oak, golden oak finish.

Weight, 75 pounds.

Each $52.00

Fig. C150

These cases are made of oak with galvanized iron drawers which make them rust and dust proof.

Prices Are F. O. B. Factory.

Fig. C151

This case contains 54 drawers, as follows:

8 drawers 3x2x10
18 drawers 4x3x10
24 drawers 4x4x10
4 drawers 6x6x10

A liberal supply of divisions included to divide drawers into compartments.

Each drawer is fitted with combination pulls and card frames and is made with a depression on side (which is enameled) so that cost and selling price may be written thereon.

Case has a steel back so that contents will keep in same condition as if they were in their original packages.

Construction is such that it will last a life-time. It takes very little room and is the largest value ever offered.

Size: 25½ in. wide, 43¼ in. high, 11¼ in. deep.

Made only in solid oak, golden oak finish.

Weight, 150 pounds.

Each $92.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Nickel-Plated Round Head Brass Wood Screws

Cuts Actual Size.

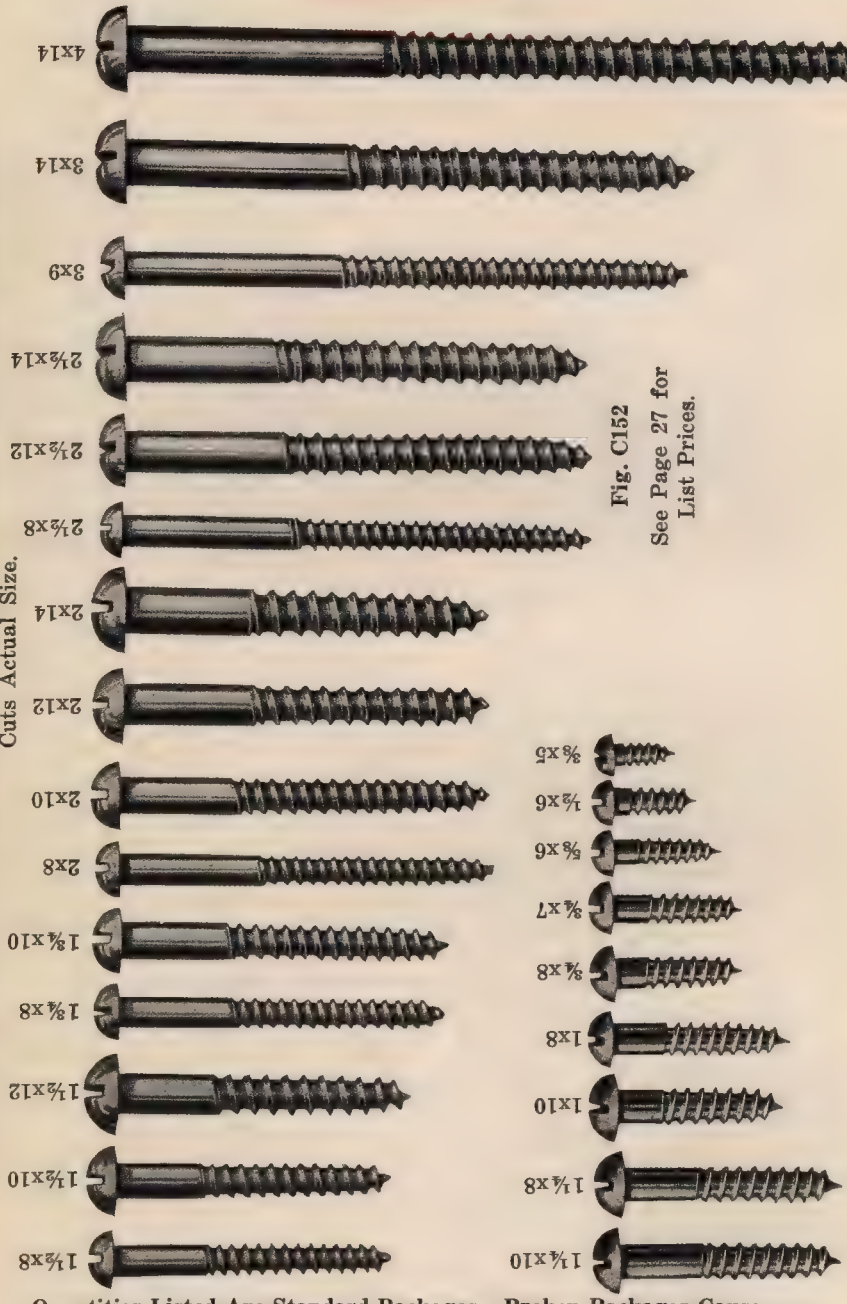


Fig. C152

See Page 27 for List Prices.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

List Prices of Screws Illustrated on Preceding Page

Nickel-Plated Round Head Brass Wood Screws.

Size	Per Gross	Size	Per Gross
⅜ x 5	$1.60	1½ x 10	$ 6.30
½ x 6	1.80	1½ x 12	6.90
⅝ x 6	2.00	1¾ x 8	5.70
¾ x 6	2.20	1¾ x 10	6.50
¾ x 7	2.40	2 x 8	7.30
¾ x 8	2.80	2 x 10	7.50
1 x 6	2.60	2 x 12	9.60
1 x 8	3.40	2 x 14	11.80
1 x 10	4.40	2½ x 8	13.20
1¼ x 6	3.40	2½ x 12	15.00
1¼ x 8	4.00	2½ x 14	17.60
1¼ x 10	5.00	3 x 9	19.20
1½ x 6	4.40	3 x 14	20.00
1½ x 8	4.60	4 x 14	26.00

¾ x 7 Flat Head Nickel-Plated Brass Screws..... 6.60

(For Closet Seat Hinges—Not Illustrated.)

Flat Head Bright Steel Wood Screws

Size	Per Gross	Size	Per Gross
½ x 6	$0.72	1¼ x 10	$1.16
⅝ x 7	.80	1¼ x 12	1.40
¾ x 6	.80	1¼ x 14	1.76
¾ x 8	.88	1½ x 8	1.16
¾ x 9	.92	1½ x 10	1.28
¾ x 10	1.00	1½ x 12	1.48
¾ x 12	1.12	1½ x 14	1.80
⅞ x 9	.96	1¾ x 10	1.44
⅞ x 10	1.04	1¾ x 12	1.64
⅞ x 12	1.24	1¾ x 14	2.00
1 x 6	.84	2 x 10	1.60
1 x 8	.96	2 x 12	1.80
1 x 9	1.00	2 x 14	2.20
1 x 10	1.08	2½ x 10	2.16
1 x 12	1.28	2½ x 12	2.36
1 x 14	1.44	2½ x 14	2.60
1¼ x 8	1.04	2½ x 16	3.28

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Plumbers' Auto Repair Kit

For your Repair Wagon or Automobile **Just What you Have Been Waiting For**

We originated the first Plumbers' Repair Kit placed on the market and now we originate this larger, more complete and up-to-date kit.

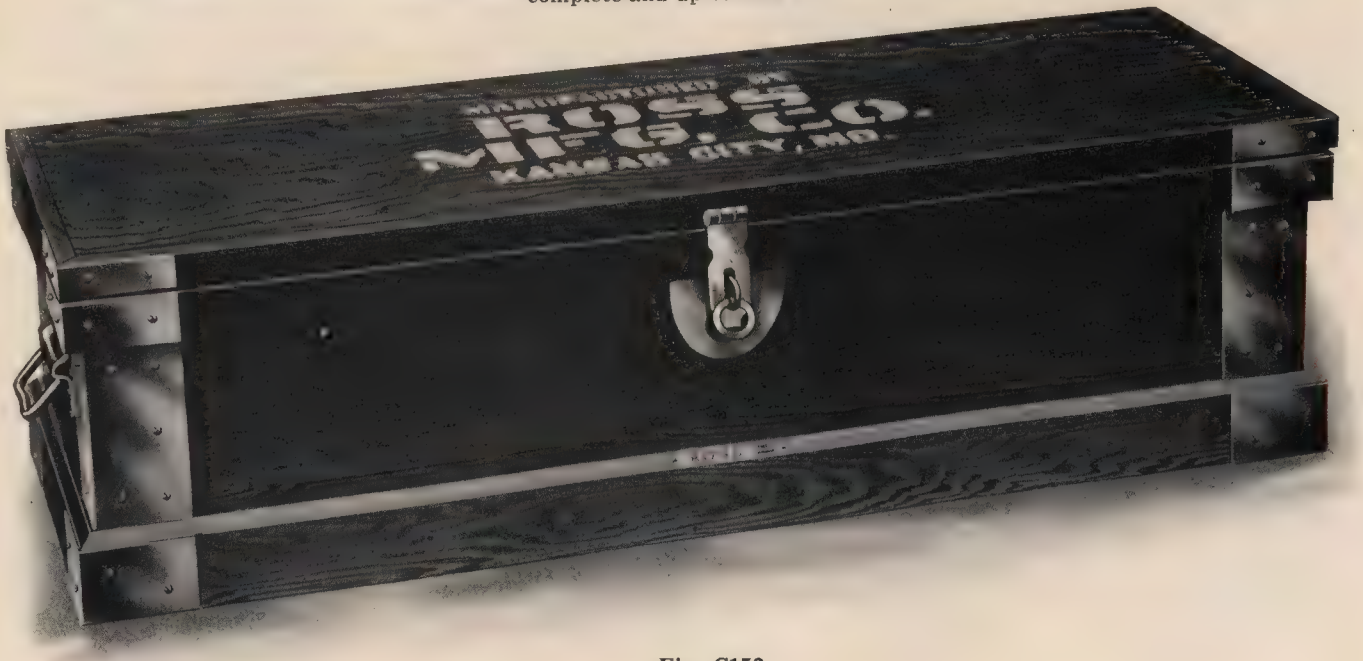


Fig. C153

Copyright, 1918

ROSS QUALITY IS ECONOMY ROSS

Fig. C153

Copyright, 1918

The material shown above is neatly packed in the kit, which has 57 compartments. The box is made of heavy Wood with Iron-bound corners, and will last for years. It is also fitted with heavy Iron handles, securely fastened on each end. The hinges and hasp are also of a heavy, substantial design. The trays are made of Sheet Metal, and set in the box flush with the top, so when the lid is closed there is no danger of the contents becoming mixed. This is something you cannot afford to be without.

Dimensions: Width, 11½ inches; Height, 10½ inches; Length, 36 inches.

Complete as shown, with contents ..... **Each $150.00**

Ross Manufacturing Co. Kansas City, Missouri
ROSS QUALITY IS ECONOMY ROSS TRADE MARK

Plumbers' Repair Kit

Fig. C154

This box is made of sheet metal and has thirty-four compartments. The trays set into the box flush with the top, so when the lid is closed there is no danger of the contents becoming mixed up. The upper illustration shows the box with the trays and contents inside.

This is something that no plumber can afford to be without whether his repair business is large or small. It is a time saver and will make the repair bills much easier to collect, as it wil save many unnecessary trips back to the shop for this material.

Dimensions—Height, 5 Inches. Length, 12 Inches. Width, 8 Inches.

Complete as illustrated, including material.....Each **$50.00**

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

This Handsome Oak Cabinet Free

Fig. C155

On an order for Twelve Dozen Ross Tank Bulbs of assorted sizes we will pack the bulbs in individual boxes and furnish this Oak Cabinet free of charge.

This will keep your stock of Tank Bulbs in good condition and prevent the bulbs from getting out of shape, dirty and shopworn. The individual boxes we know will appeal to you, as they will keep the bulbs clean, so when your plumber goes to a private residence to install one the owner will not think you are installing an old second-hand bulb.

More Tank Bulbs are being used every day and an assortment of twelve dozen bulbs will give you a small quantity of the different sizes.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Ten Reasons Why Ross Tank Bulbs are Superior to the Old Style Tank Bulbs

1. They are manufactured from a better grade of rubber than ever before used in a Tank Bulb.

2. They seat slower and allow the tank to empty entirely on account of being lighter in weight. A good rubber compound is lighter in weight than a poor quality, cheap compound.

3. The Bulb is literally one piece of rubber, completely and entirely formed by hydraulic pressure, making it free from defects found in joined bulbs. Forming the bulb under hydraulic pressure, with no hand operations, makes possible walls of uniform structure.

4. They are given a dense cure under hydraulic pressure, which prevents them from being porous and swelling. This is a common fault with the old style bulbs as they are only partially cured and are porous, which causes them to absorb water, swell out of shape and hang on the overflow tube of the flush valve.

5. Ribbed Top, which is another patented feature, prevents bulb from collapsing. This is a common fault with the old style bulbs.

6. They are uniform in thickness, which is only made possible by this patented method of curing.

7. Square slotted brass spuds are used in our bulbs as you will note from cut on opposite page. These spuds are firmly imbedded in the rubber by a dense cure and the square, slotted feature of the spuds prevents them from turning or being pulled out of the bulbs.

8. Quality is not only a matter of choice with us but an absolute necessity, as the large core which forms the bulb must be removed from the comparatively small opening in the bottom after the bulb has been formed and cured. It is very evident that an inferior grade of rubber could not be used in a bulb of this character.

9. Ross Tank Bulbs are individual in appearance which enables the plumber to obtain a better resale price, thereby eliminating cheap competition.

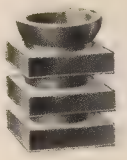
10. Boxed in individual cartons with resale price printed thereon.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Ross Patented One-Piece Beadless Tank Bulbs

These Are Made in Eight Sizes. A Perfect Fit For Every Flush Valve Made. Guaranteed to Wear Longer and Give Better Service.

Sectional View



Square slotted brass spud used in Ross Tank Bulbs.

See description on page 32.

Patented September 11, 1917.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Ross Patented One-Piece Beadless Tank Bulbs

These Are Made in Eight Sizes. A Perfect Fit For Every Flush Valve Made. Guaranteed to Wear Longer and Give Better Service.

Fig. C156

No. 1—2 Inches	No. 2—2⅛ Inches	No. 3—2¼ Inches	No. 4—2⅜ Inches
Per Dozen.....$10.00	Per Dozen.....$10.40	Per Dozen.....$10.60	Per Dozen.....$10.80

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Ross Manufacturing Co. Kansas City, Missouri

ROSS PRODUCTS IS ECONOMY

Ross Patented One-Piece Beadless Tank Bulbs

These Are Made in Eight Sizes. A Perfect Fit For Every Flush Valve Made. Guaranteed to Wear Longer and Give Better Service.

Fig. C156

No. 5—2½ Inches
Per Dozen.....$11.20

No. 6—2⅝ Inches
Per Dozen.....$11.60

No. 7—2¾ Inches
Per Dozen.....$12.00

No. 8—3 Inches
Per Dozen.....$13.70

Old Style Tank Bulbs

Eight Sizes—A fit for every Flush Valve made

White Rubber—Hard Cone Top—Soft Pliable Bottom—Beadless and Seamless

Fig. C157

No. 1—$1\frac{59}{64}$-inch Per Dozen $6.60

No. 1A—$2\frac{1}{16}$-inch Per Dozen $7 20

No. 1B—$2\frac{1}{4}$-inch Per Dozen $8.00

No. 2—$2\frac{13}{32}$-inch Per Dozen $8.80

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Old Style Tank Bulbs

Eight Sizes—A fit for every Flush Valve made
White Rubber—Hard Cone Top—Soft Pliable Bottom—Beadless and Seamless

Fig. C157

No. 2B—2 1/32-inch
Per Dozen $9.60

No. 2A—2⅝-inch
Per Dozen $9.60

No. 3—2¾-inch
Per Dozen $9.60

No. 3A—3-inch
Per Dozen $10.80

Pure Gum Sheet Packing

Very Soft and Pliable. For Ball Cock Washers, etc.

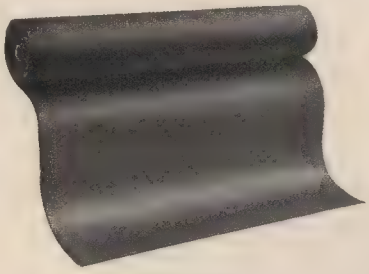


Fig. C158

3/32-inch Thickness	Per Pound $2.00

Ross Red Sheet Packing

Guaranteed for Steam and Hot Water. Our Packing has been used by several of our customers on Government contract work, on which the inspection is very strict.

Fig. C159

1/16-inch Thickness	Per Pound $1.00
3/32-inch Thickness	Per Pound 1.00
1/8-inch Thickness	Per Pound 1.00
Less Than Yard Lots	Per Pound 1.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Fig. C160

No. 2

Ross Force Cups

This No. 2 Force Cup is made from a good grade of gray rubber. Many of our customers have built up a profitable business on this cup by talking quality to their customers instead of stocking cheap cups and trying to compete with the department store.

We guarantee this cup to you and you can safely guarantee it to your customers.

Furnished complete with 30-inch Hardwood Handles, securely fastened with Brass Clamps as illustrated.

Per Dozen.....$14.40

Less than Dozen Lots.....Each 1.30

Force Cup Display Rack

This Display Rack can be attached to the wall or set in display window. It also keeps the Cups in good shape while in stock.

Fig. C161

Per Set.....$1.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Ross Force Cups

Fig. C162

No. 1—4 inches

No. 3—4½ inches

No. 4—6 inches

Ross Force Cups

Force Cups illustrated on opposite page are made from the best grade of Red Rubber expressly for the plumbers' own use.

Our Force Cups are furnished complete with 30-inch Hard Wood Handles, securely fastened with Brass Clamps as illustrated.

We guarantee our line of Force Cups to be the best on the market. We have a cup for every purpose.

No. 1—4 -inch	Per Dozen	$24.00
No. 3—4½-inch	Per Dozen	30.00
No. 4—6 -inch	Per Dozen	36.00

See page 39 for our No. 2 Force Cups for retail trade.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Ross Fuller Balls

Eight Sizes

With Our Firm Name Molded on Every Ball. This Is Our Guarantee and Your Protection.

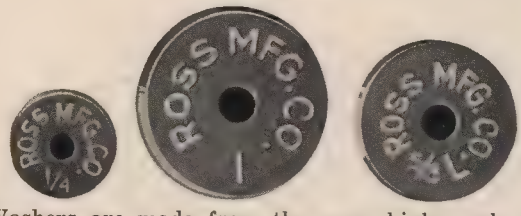
Our Fuller Balls are made from a new, special, high grade compound which was thoroughly tested by chemists and also given severe boiling tests by ourselves before offering them to our customers. We recommend our Fuller Balls and guarantee them for use on either hot or cold water. We stock only one grade, which is the very best.

The compound used in our Fuller Balls is firm but pliable, which prevents the balls from splitting when being placed on the stem. This also prevents them from becoming hard and brittle while being carried in stock. Age does not affect them, but age will cause a cheap Fuller Ball to become hard and then split when being installed.

We call your attention to another important feature—the shape of our Fuller Balls; the blunt end prevents the ball from being forced too far into the faucet seat, thereby retarding the flow of water.

Ross Bibb Washers

Nine Sizes.



Our Bibb Washers are made from the same high grade compound as the Ross Fuller Balls, but they are cured longer, making them firmer and tougher. This prevents them from cracking and chipping when extreme pressure is used in closing a faucet. We guarantee our Bibb Washers for either hot or cold water and recommend them to plumbers who desire high grade washers. Bibb Washers give better and longer service when not trimmed to fit bibb seats. We have mold equipment which produces nine sizes, and by purchasing some of the intermediate sizes it makes trimming unnecessary.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Ross Fuller Balls

Guaranteed for Hot or Cold Water.

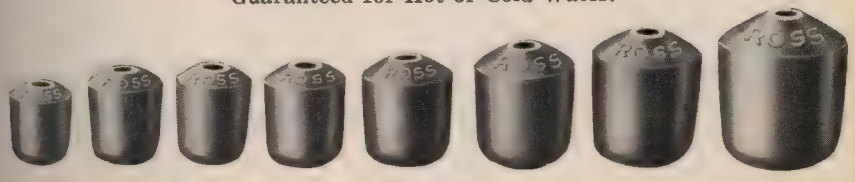


Fig. C163

Size, ⅜-inch	Per 100	$4.50	Size, $1\frac{1}{16}$-inch	Per 100	$ 8.00
Size, ½-inch	Per 100	5.00	Size, ¾-inch	Per 100	9.00
Size, $\frac{5}{16}$-inch	Per 100	5.50	Size, $1\frac{1}{8}$-inch	Per 100	14.00
Size, ⅝-inch	Per 100	6.00	Size, 1-inch	Per 100	18.00

Ross Flat Bibb Washers

Guaranteed for Hot or Cold Water.

Fig. C164

Size, ¼-inch	Per 100	$2.70	Size, ⅝-inch	Per 100	$3.40
Size, ⅜-inch	Per 100	3.00	Size, ⅝-inch Large	Per 100	3.80
Size, ⅜-inch Large	Per 100	3.00	Size, ¾-inch	Per 100	4.00
Size, ½-inch	Per 100	3.00	Size, 1-inch	Per 100	5.00
Size, ½-inch Large	Per 100	3.00			

Ross Beveled Bibb Washers

Guaranteed for Hot or Cold Water.

Fig. C165

Size, ¼-inch	Per 100	$3.00	Size, ⅝-inch	Per 100	$3.90
Size, ⅜-inch	Per 100	3.00	Size, ⅝-inch Large	Per 100	4.00
Size, ⅜-inch Large	Per 100	3.00	Size, ¾-inch	Per 100	4.20
Size, ½-inch	Per 100	3.60	Size, 1-inch	Per 100	5.60
Size, ½-inch Large	Per 100	3.90			

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Solid Rubber Bibb Discs

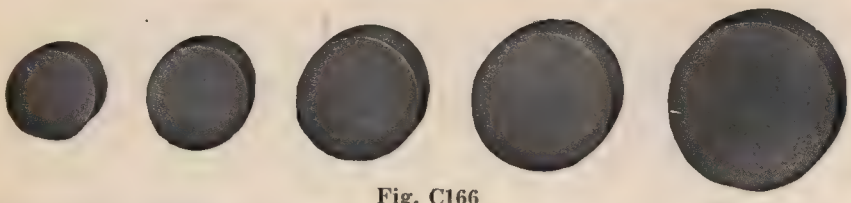


Fig. C166

Size, ⅜-inch; Thickness, ¼-inch	Per 100	$1.80
Size, ½-inch; Thickness, ¼-inch	Per 100	2.40
Size, ⅝-inch; Thickness, ¼-inch	Per 100	3.60
Size, ¾-inch; Thickness, ¼-inch	Per 100	4.50
Size, 1-inch; Thickness, ¼-inch	Per 100	9.00

Fibre Bibb Washers

Guaranteed for Hot or Cold Water. Made from Extra Quality Fibre.

Fig. C167

Size, ¼-inch	Per 100	$1.00	Size, ⅝-inch	Per 100	$1.50
Size, ⅜-inch	Per 100	1.10	Size, ⅝-inch Large	Per 100	1.60
Size, ⅜-inch Large	Per 100	1.20	Size, ¾-inch	Per 100	1.80
Size, ½-inch	Per 100	1.30	Size, 1-inch	Per 100	2.50
Size, ½-inch Large	Per 100	1.40			

Leather Bibb Washers

Made from Special Oiled Leather.

Fig. C168

Size, ⅜-inch	Per 100	$1.30	Size, ¾-inch	Per 100	$2.20
Size, ½-inch	Per 100	1.50	Size, 1-inch	Per 100	3.00
Size, ⅝-inch	Per 100	1.80			

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

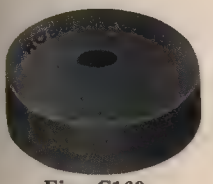


Fig. C169

Bell Bath Supply Washers

Guaranteed for Hot or Cold Water.

O. D.	Hole	Thickness	Per 100	Per Doz.
1 -inch	¼-inch	¼-inch	$ 7.00	$1.20
1¼-inch	¼-inch	¼-inch	10.00	1.60

Valve Discs

For Globe, Angle and Radiator Valves.

No. 1, Round Hole.

Fig. C170

Size, ⅜-inch	Per Dozen $0.90
Size, ½-inch	Per Dozen 1.00
Size, ¾-inch	Per Dozen 1.30
Size, 1 -inch	Per Dozen 1.50
Size, 1¼-inch	Per Dozen 2.00
Size, 1½-inch	Per Dozen 2.70
Size, 2 -inch	Per Dozen 4.00

No. 2, Oblong Hole.

Fig. C171

Size, ¾-inch	Per Dozen $1.30
Size, 1 -inch	Per Dozen 1.50
Size, 1¼-inch	Per Dozen 2.00
Size, 1½-inch	Per Dozen 2.70
Size, 2 -inch	Per Dozen 4 00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Rubber Top Bibb Washers

Cloth outside and cloth insertion.

Fig. C172

Size, ⅜-inch	Per 100	$2.00
Size, ½-inch	Per 100	2.80
Size, ⅝-inch	Per 100	3.20
Size, ¾-inch	Per 100	4.00
Size, 1-inch	Per 100	6.00

Solid Rubber Stoppers

Fig. C173

Size, 1 -inch	Per Dozen	$1.60
Size, 1⅛-inch	Per Dozen	1.80
Size, 1¼-inch	Per Dozen	2.00
Size, 1⅜-inch	Per Dozen	2.20
Size, 1½-inch	Per Dozen	2.40
Size, 1¾-inch	Per Dozen	3.40
Size, 2 -inch	Per Dozen	4.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Perfecto Basin Stopper

Fits Any Basin.

Fig. C174

Per Dozen.....$3.60

Perfecto Bath Stopper

Fits Any Bath Tub.

Fig. C175

Per Dozen.....$4.50

Illustrating our method of packing our Perfecto Stoppers which prevents their getting out of shape.

We do not break boxes.

Perfecto Sink Stopper

Fits Any Sink.

Per Dozen.....$4.80

Fig. C176

Ball Cock Washers

(Cuts actual size)

Made of soft Pure Gum which insures a perfect seat. This is the largest and most complete assortment of Ball Cock Washers on the market. Sixteen different kinds and sizes which will repair any make of ball cock.

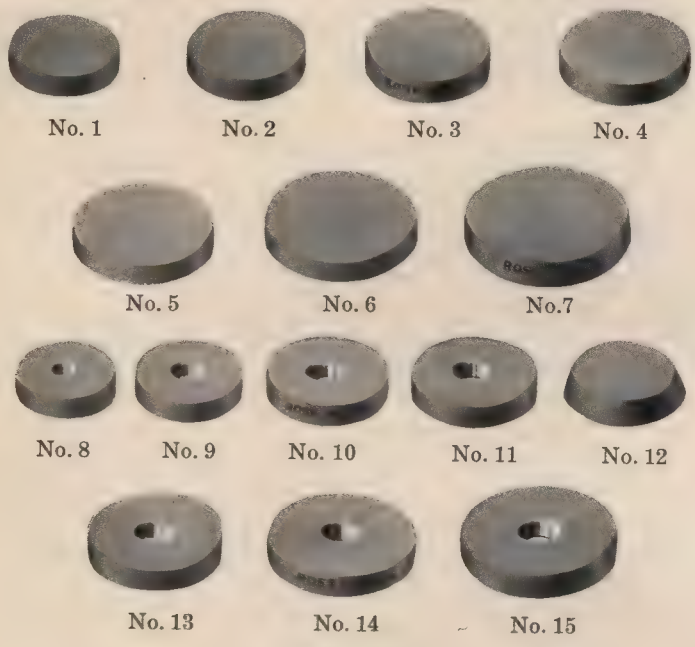


Fig. C177

No.	Make	Per 100	No.	Make	Per 100
1	Success	$3.00	9	M. V.-B.	$3.60
2	Ideal-Wolff	3 60	10	Standard	3.60
3	Try Me	3.60	11	Mansfield	3.60
4	Ross-Paragon	3.60	12	Perfecto	3.60
5	McShane	3 60	13	F. & K.	4.00
6	Mott	3.80	14	Empire	4.50
7	Dale	4.00	15	Douglass	5.00
8	Frost	3 00	16	Leather, same size as number 3	3.00

For the convenience of our customers we have boxed the following assortment of 100 washers:

10 each numbers 1, 3, 4, 12
5 each numbers 5, 6, 7, 8, 9, 10, 11
4 each numbers 13, 14
15 number 2
2 number 15

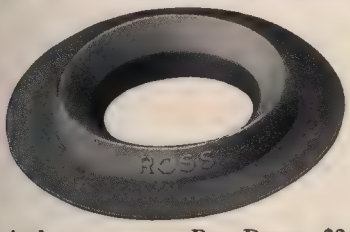
Per Box.....$4.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Feather Edge Syphon Valve Washers

Ross Extra Quality—Seven Sizes.

Ross Syphon Valve Washers have edges of correct width and thickness; they will not curl or become fluted after being installed on Syphon Valve.



1⅛-inch.....Per Dozen **$2.00**

1⅝-inch.....Per Dozen **$3.00**

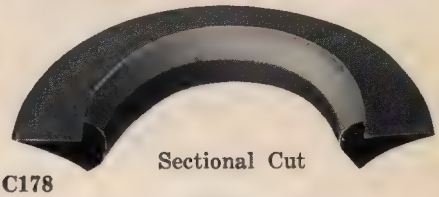
1¼-inch.....Per Dozen **$2.30**

1¾-inch.....Per Dozen **$3.20**

1⅜-inch.....Per Dozen **$2.50**

2-inch.....Per Dozen **$3.50**

1½-inch.....Per Dozen **$2.70**



Sectional Cut

Fig. C178

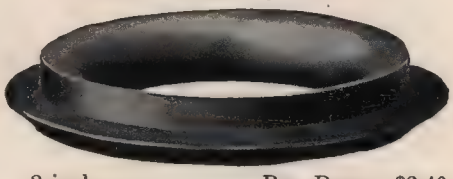
Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Regular Syphon Valve Washers

1⅛-inch.....Per Dozen $1.50

1¾-inch.....Per Dozen $2.40

1¼-inch.....Per Dozen $1.50



2-inch.....Per Dozen $2.40

1½-inch.....Per Dozen $1.80

Sectional Cut

Fig. C179

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Syphon Packers

Fig. C180

No. 1—1¼x2¼-inch.....Per Dozen $2.50

Fig. C181

No. 2—1 5/16x2½-inch.....Per Dozen $3.50

Fig. C182

No. 3—2 1/16x3 3/16-inch.....Per Dozen $4.40

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Syphon Packers

Fig. C183

No. 4—1⅞x3$\frac{3}{16}$-inch.....Per Dozen $4.40

Fig. C184

No. 5—1$\frac{15}{16}$x3¼-inch.....Per Dozen $4.40

Lipp Valve Seat

Fig. C185

Per Dozen.....$7.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Model Ball

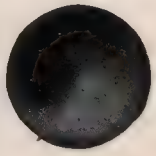


Fig. C186

Per Dozen.....$1.40

Model Cushion

Fig. C187

Per Dozen.....$1.40

Prier Ball

Fig. C188

Per 100.....$4.00
Per Dozen ..... .70

Prier Cushion

Fig. C189

Per 100.....$4.00
Per Dozen ..... .70

Farley Ball

Fig. C190

Per 100.....$6.00
Per Dozen ..... .40

Farley Cushion

Fig. C191

Per 100.....$10.00
Per Dozen 1.60

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Pierce Cushion

Fig. C192

Per Dozen $3.00

Vogel Packings

For Anti-Freezing Closets.

Fig. C193

Per Dozen Sets..... $2.40

Seamless Furnace Bulbs

Guaranteed not to split.

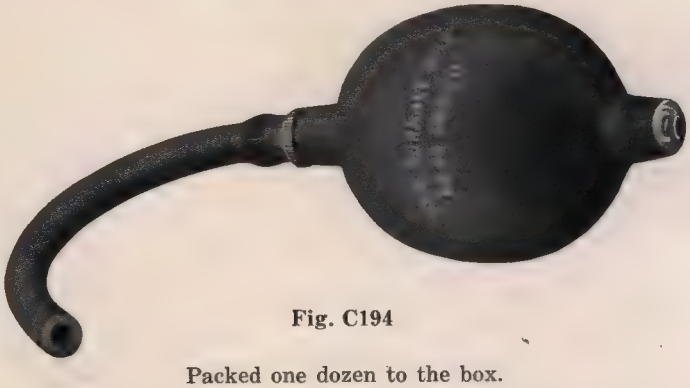


Fig. C194

Packed one dozen to the box.

No. 1	Per Dozen $7.20	Each	$0.70
No. 2	Per Dozen 9.60	Each	.90

Our number one bulbs are the regular size and our number two bulbs are extra large. We recommend the number two bulb and guarantee it to fill a furnace in one-third less time than the regular size bulb. The slight difference in price is money well spent.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Ideal Waste Washers

Fig. C195

1-in.....Per Doz. $1.20 1¼-in....Per Doz. $1.50 1½-in....Per Doz. $1.70

Model Waste Washers

Fig. C196

1-in.....Per Doz. $1.50 1¼-in....Per Doz. $1.60 1½-in....Per Doz. $1.80

Wolff Waste Washers

Fig. C197

Basin Size.....Per Dozen $2.60 Bath Size.....Per Dozen $3.50

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Waste Washers

No. 1

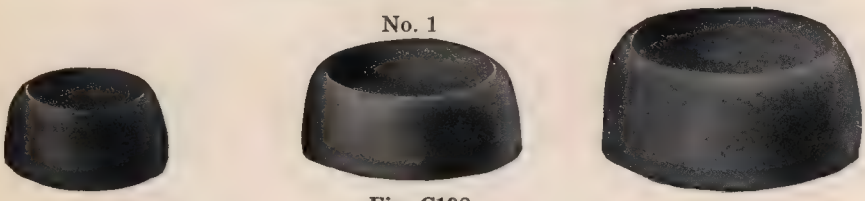


Fig. C198

1-in.....Per Doz. $1.20 1¼-in....Per Doz. $1.50 1½-in....Per Doz. $1.70

Waste Washers

No. 2

Fig. C199

1-in.....Per Doz. $1.60 1¼-in....Per Doz. $1.80 1½-in....Per Doz. $2.00

Waste Washers

No. 3

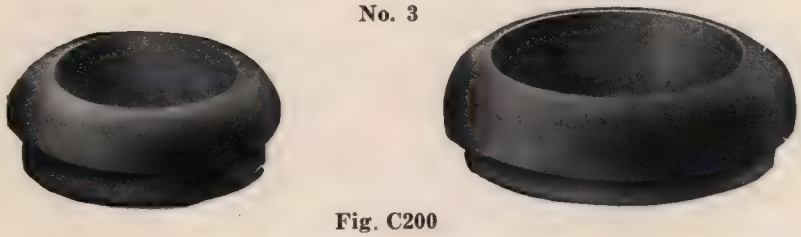


Fig. C200

1-inch.....Per Dozen $2.00 1⅜-inch.....Per Dozen $2.50

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Waste Washers

No. 4

Fig. C201

Size, 1-inch.....Per Dozen $1.40

No. 5

Fig. C202

Size, 1 -inch.....Per Dozen $2.50
Size, 1½-inch.....Per Dozen 3.50
Size, 1⅝-inch.....Per Dozen 3.50

H. and H. Connection

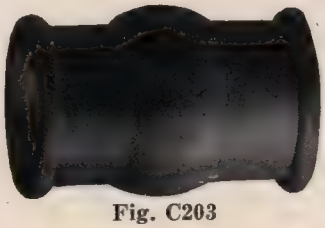


Fig. C203

Per Dozen.....$9.00

Closet Connections

Fig. C204

Dandy.....Per Dozen $3.00

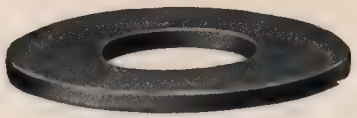
Fig. C205

Robb.....Per Dozen $3.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Tank Washers

No. 1—⅛x1¼x2-inch
Per Dozen.....$1.60



No. 2—⅛x1⅛x2⅜-inch
Per Dozen.....$1.60

No. 3—⅛x1¼x2 3/16-inch
Per Dozen.....$1.60

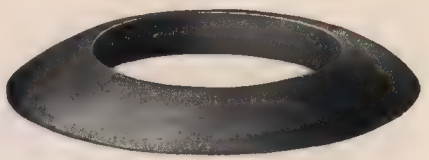
No. 4—⅛x1½x2¾-inch
Per Dozen.....$1.80

No. 5—1/16x½x2 11/32-inch
Per Dozen.....$4.00

No. 6—1-inch
Per Dozen.....$1.80

Fig. C206

No. 7—1¼-inch
Per Dozen.....$2.20

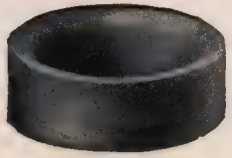


No. 8—1½-inch
Per Dozen.....$2.40

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

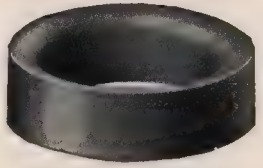
Ross Manufacturing Co. Kansas City, Missouri
ROSS QUALITY IS ECONOMY

Tank Washers



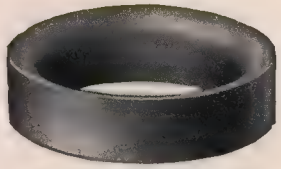
No. 9—1-inch

Per Dozen.....$1.80



No. 10—1¼-inch

Per Dozen.....$2.20



No. 11—1½-inch

Per Dozen.....$2.40

No. 12—1⅞x2⅝-inch

Per Dozen.....$4.00

Fig. C207

No. 13—2¼x3$\frac{3}{16}$-inch

Per Dozen.....$5.40

Ross Manufacturing Co. ROSS QUALITY IS ECONOMY Kansas City, Missouri

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Closet Spud Washers

No. 1

Fig. C208

Size, 1¼-inch	Per Dozen $3.00
Size, 1½-inch	Per Dozen 3.50
Size, 2 -inch	Per Dozen 4.00

Closet Spud Washers

No. 2

Fig. C209

Size, 1¼-inch	Per Dozen $5.00
Size, 2 -inch	Per Dozen 5.60

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Closet Spud Washers

No. 3

Fig. C210

Size, 1¼-inch	Per Dozen	$2.00
Size, 1½-inch	Per Dozen	2.40
Size, 2 -inch	Per Dozen	3 00

Round Plunger Rings

Fig. C211

Size, 1¼-inch	Per Dozen	$3.00
Size, 1½-inch	Per Dozen	3.50

Testing Plug Rings

Fig. C212

Size, 2-inch	Per Dozen	$ 4.00
Size, 3-inch	Per Dozen	5.00
Size, 4-inch	Per Dozen	10.00
Size, 5-inch	Per Dozen	13.00
Size, 6-inch	Per Dozen	18.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

No. 1 Rubber Elbows

Extra Quality—Guaranteed Not to Split.
Fitted with Beveled Brass Ferrules.

Fig. C213

Size, 1¼-inch	Per Dozen	$ 9.60
Size, 1½x1¼-inch	Per Dozen	12.00

No. 2 Rubber Elbows

Extra Quality—Guaranteed Not to Split.

Fig. C214

Size, 1¼-inch	Per Dozen	$14.00
Size, 1½-inch	Per Dozen	22.00
Size, 2 -inch	Per Dozen	28.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

No. 3 Rubber Elbow

Extra Long Extension Pattern.

Fig. C215

Size, 1¼-inch.....Per Dozen $16.00

No. 4 Rubber Elbow

Extra Long Top Extension Pattern.

Fig. C216

Size, 1¼-inch.....Per Dozen $16.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

No. 5 Straight Rubber Connection

Guaranteed Not to Split.

Fig. C217

Size, 1¼-inch.....Per Dozen $9.60

No. 6 Straight Rubber Connections

Extension Pattern.

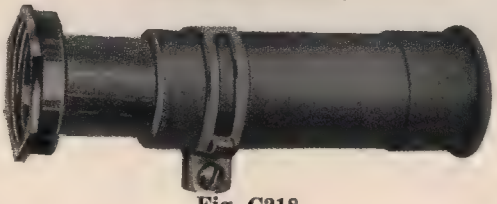


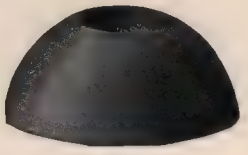
Fig. C218

Size, 1½-inch.....Per Dozen $22.00
Size, 2 -inch.....Per Dozen 28.00

Closet Seat Hinge Bumpers

No. 1

Fig. C219



No. 2

No. 1.....Per 100 $4.00 No. 2.....Per 100 $9.00

Tack Bumpers

No. 1

No. 2

No. 3

Fig. C220

No. 1.....Per 100 $2.00 No. 2.....Per 100 $2.50 No. 3.....Per 100 $4.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Screw Bumpers

No. 1 No. 2

Fig. C221

Per 100.....$5.00 Per 100.....$6.00

Plain Bumpers

No. 1 No. 2

Fig. C222

Per 100.....$4.00 Per 100.....$6.00

Flush Pipe Bumpers

No. 1 No. 2 No. 3

Per 100.....$4.00

No. 4 No. 5 No. 6

Per 100.....$4.00

No. 7 No. 8 No. 9 No. 10

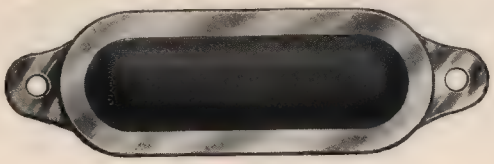
Fig. C223

Per 100.....$4.00
Per Box of 100 Assorted..... 5.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Oblong Seat Bumpers

Furnished Complete with Nickel-Plated Escutcheon Plates and Brads.

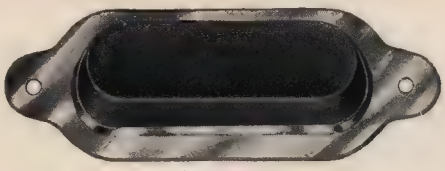


Number 1

Per Box of 100	$9.60
Per Box of 50	6.00
Per Box of 25	3.50

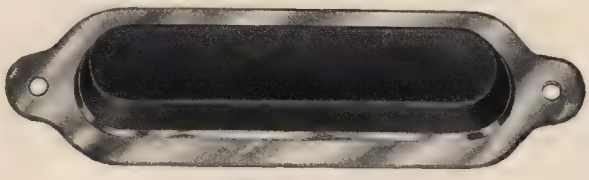
Number 2

Per Box of 100	$12.00
Per Box of 50	7.00
Per Box of 25	4.00



Number 3

Per Box of 100	$8.40
Per Box of 50	6.00
Per Box of 25	3.00



Number 4
Fig. C224

Per Box of 100	$10.00
Per Box of 50	6.00
Per Box of 25	3.50

Boxed as listed. We do not break boxes.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Tank Bumper with N. P. Brass Holder

Fig. C225

Per 100 ..... $10.00

Black Rubber Union Washers

Size Union Inch	Hole	Outside Diameter	Per 100
3/8	5/8	15/16	$1.00
1/2	3/4	1 3/16	1.20
3/4	29/32	1 5/8	1.40
1	1 1/8	1 5/8	1.90
1 1/4	1 1/2	2	2.50
1 1/2	1 11/16	2 3/16	3.00
2	2 1/8	2 3/4	3.40

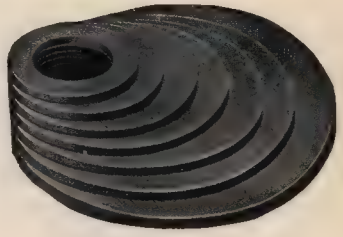


Fig. C226

Red Rubber Union Washers

Extra Quality.

Guaranteed for Hot Water, Cold Water and Steam.

These washers are made from the same compound as our popular Red Sheet Packing.

Fig. C227

Size Union Inch	Hole	Outside Diameter	Per 100
3/8	5/8	15/16	$1.30
1/2	3/4	1 3/16	1.60
3/4	29/32	1 5/8	2.10
1	1 1/8	1 5/8	3.00
1 1/4	1 1/2	2	4.00
1 1/2	1 11/16	2 3/16	4.80
2	2 1/8	2 3/4	5.70

A great saving is made by using our union washers. Considerable time is lost by cutting washers by hand and a great deal of packing is wasted also.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Rubber Floor Flange Gasket

Fig. C228

4¼x7-inch..... Per Dozen $5.00

Pure White Rubber Tubing

Fig. C229

Boxed in 50-Foot Lengths.

Size, ¼-inch..... Per 100 Ft. $20.00
Size, ⅜-inch..... Per 100 Ft. 28.00
Size, ½-inch..... Per 100 Ft. 36.00

Red Cloth Insertion Tubing

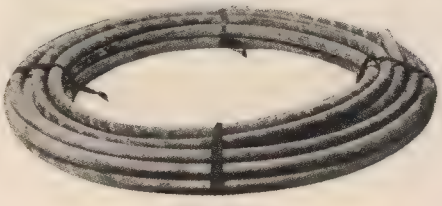


Fig. C230

In 50-Foot Lengths.

Size, ⅜-inch..... Per 100 Ft. $24.00
Size, ½-inch..... Per 100 Ft. 30.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Basin Gasket

Extra Quality.

Fig. C231

Per Dozen..... $1.00
Per Gross..... 9.00

Bath Gasket

Extra Quality.

Fig. C232

Per Dozen..... $ 1.20
Per Gross..... 12.00

Sink Gasket

Extra Quality.

Fig. C233

Per Dozen..... $ 2 00
Per Gross..... 20.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Rubber Basin Connections

Fig. C234

Size, 1¼-inch	Per Dozen $2.50
Size, 1½-inch	Per Dozen 3.00

Beveled Washer

For Connected Waste and Overflows.

Fig. C235

Per Dozen.....$2.00

Gauge Glass Gaskets

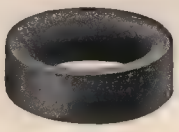


Fig. C236

Size, ½-inch	Per 100 $3.00
Size, ⅝-inch	Per 100 3.00
Size, ¾-inch	Per 100 3.00

Hose Washers

Boxed Assortment.

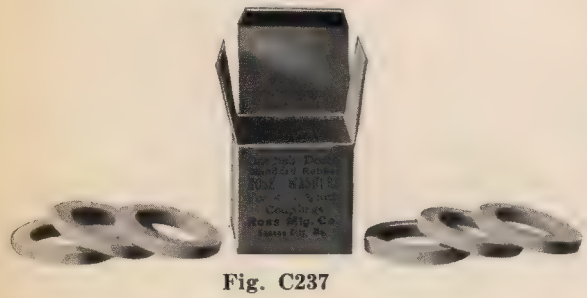


Fig. C237

Six Washers to the box, thirty-six boxes to the carton. Handy packages to retail.

Per Carton.....$4.50

Hose Washers

Fig. C238

Size, ½-inch	Per Pound $1.40
Size, ⅝-inch	Per Pound 1.40
Size, ¾-inch	Per Pound 1.40

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Beveled Slip-Joint Washers

Cuts Actual Size.

No. 1.....Per 100 $3.50

No. 2.....Per 100 $3.50

No. 3.....Per 100 $3.50

No. 4.....Per 100 $5.00

No. 5.....Per 100 $5.00

No. 6.....Per 100 $5.00

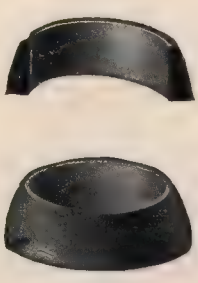


Fig. C239

No. 7.....Per 100 $6.00

No. 8.....Per 100 $6.00

No. 9.....Per 100 $6.00

No. 10—Special for Ross Ball Cock when used on ½-inch O. D. Tubing.....Per 100 $3.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Flat Slip-Joint Washers

Fig. C240

Number	Size	Slips Over	Enters Nut	Per 100
1	⅜ x 7/16 in.	7/16 in. Tube	⅜ in. I. P.	$2.00
2	⅜ x ½ in.	½ in. Tube	⅜ in. I. P.	2.00
3	½ x 7/16 in.	7/16 in. Tube	½ in. I. P.	2.00
4	½ x ½ in.	½ in. Tube	½ in. I. P.	2.00
5	1¼ in. thin	1¼ in. Tube	1¼ in. I. P.	3.00
6	1¼ in. regular	1¼ in. Tube	1¼ in. I. P.	3.00
7	1⅜ in.	1⅜ in. Tube	1¼ in. I. P.	3.20
8	1½ in. thin	1½ in. Tube	1½ in. I. P.	3.20
9	1½ in. regular	1½ in. Tube	1½ in. I. P.	3.50
10	1½ x 1¼ in.	1¼ in. Tube	1½ in. I. P.	4.80
11	1½ x 1⅜ in.	1⅜ in. Tube	1½ in. I. P.	3.50
12	2 in.	2 in. Tube	2 in. I. P.	4.80
13	Special for Slip-Joint Connection on Ross Ball Cock			3.00

Closet Valve Washers

Cuts Actual Size.

Fig. C241

No. 1	No. 2	No. 3	No. 4	No. 5
Per 100....$8.00	Per 100....$8.00	Per 100....$9.00	Per 100..$11.00	Per 100..$13 00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Low Pressure Diaphragm Rubbers

Fig. C242

6-inch	Per	Dozen	$12.00
7-inch	Per	Dozen	14.40
8-inch	Per	Dozen	16.80
9-inch	Per	Dozen	21.60
10-inch	Per	Dozen	24.00

Bath Tub Mats

White Corrugated Rubber.

Fig. C243

Size, 12x30 inches	Each	$4.50
Size, 12x36 inches	Each	5.50

Sink Drain Board Mats

White Corrugated Rubber.

Fig. C244

Size, No. 1—For 18x24-inch Drain Board	Each	$4.50
Size, No. 2—For 20x24-inch Drain Board	Each	5.50

Ten Special Features of the Ross Ball Cock

1. A patented article which we sell exclusively to the master plumbers who desire a high grade Ball Cock for repair work.
2. Made of High Grade Red Brass, well machined and tested under 150 pounds water pressure after being assembled.
3. All working parts and thumb screws are made of cast Red Brass—no stamped parts used.
4. Has compound leverage and is guaranteed to work on high or low pressure.
5. Quiet in operation and can be regulated for any water pressure by patented adjustment screw.
6. Retard Cap on plunger prevents water splashing over tank.
7. Plunger is fitted with heavy brass seat cap, which holds pure gum washer.
8. Large outlet which fills tank quickly and quietly.
9. Shank is extra long and is reamed out for ⅜-inch supply pipe.
10. Can be installed in less time than any other Ball Cock, by removing collar from old supply pipe, thereby making a slip-joint connection. This does away with carrying an assortment of bushings and saves many trips back to the shop.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

No. 1 Ross Ball Cock

For High Tanks. The Best Ball Cock on the Market for Repair Work.

Furnished Complete with Extra Heavy Solderless Copper Floats and 10-Inch Cut-Off Float Rods. Packed One Dozen to the Box.

Patented.

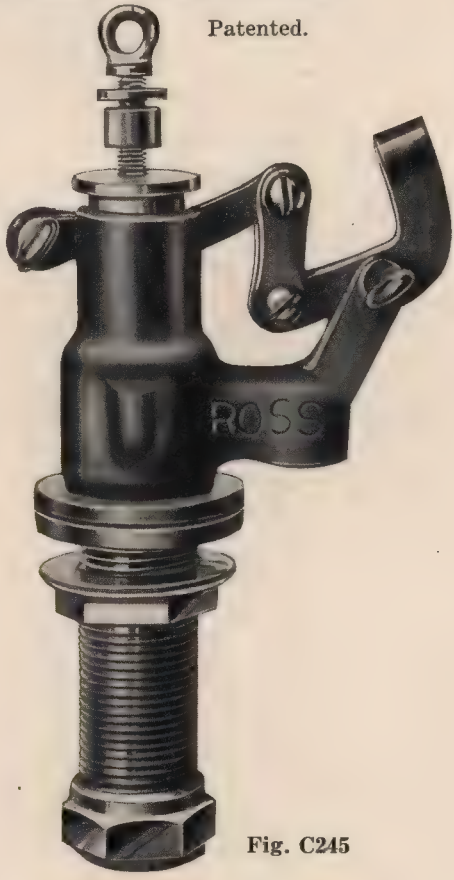


Fig. C245

Ball Cock Only

In Dozen Lots	Each	$3.10
Less than Dozen Lots	Each	3.40

Ball Cock Complete

With Copper Float and Rod.

In Dozen Lots	Each	$4.10
Less than Dozen Lots	Each	4.50

No. 2 Ross Ball Cock

For Low-Down Tanks.

Furnished Complete with Extra Heavy Solderless Copper Floats, 8-inch Cut-Off Float Rods and 12-inch Annealed Brass Refill Tubes. Packed One Dozen to the Box.

Patented.

Fig. C246

Ball Cock Only

In Dozen Lots.....Each $3.90 Less than Dozen Lots.....Each 4.30

Ball Cock Complete

With Copper Float and Rod.

In Dozen Lots.....Each $4.90 Less than Dozen Lots.....Each 5.40

No. 3 Top Supply Ball Cock

For High Tank.

Fig. C247

Ball Cock Only	Each $4.00
Ball Cock Complete with Copper Float and Rod	Each 5.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Repair Parts for Ross Ball Cocks

Adjustment Arm, less Screws and Lock Nut	Per Dozen	$4.00
Regulating Screw	Per Dozen	1.50
Short Thumb Screw for Arm	Per Dozen	1.50
Thumb Screw for Lever and Float Rod Arm	Per Dozen	1.50
Lever	Per Dozen	2.00
Connecting Link for Lever and Float Rod Arm	Per Dozen	3.00
Float Rod Arm	Per Dozen	2.80
Seat for No. 2	Per Dozen	5.00
Supply Pipe for No. 2	Per Dozen	16.00
Hush Pipe for No. 2	Per Dozen	8.00
Plunger	Per Dozen	7.20
Shank and Base for No. 2	Per Dozen	10.00
Shank, Base and Seat for No. 1	Per Dozen	10.00
Slip Nut	Per Dozen	4.00
Lock Nut	Per Dozen	4.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Ross Ball Flush Valve

TWO-INCH.

Five Special Features of the Ross Flush Valve

Made of High Grade Red Brass, free from sand holes, well machined with polished seat.

Fitted with extra heavy brass overflow tube.

Has extra large cast brass lock nut.

Illustration shows space between bulb and overflow tube.

Ross Patented Tank Bulb, furnished with Brass Stem and Lever Wire, make the valve complete.

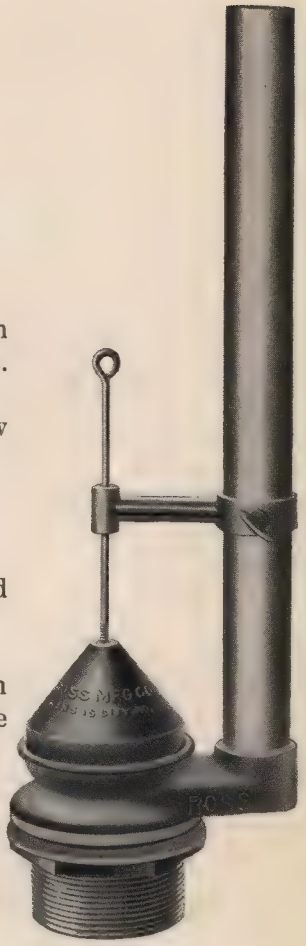


Fig. C248

Per Dozen **$48.00**

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Fig. C249

Stiff Flush Valve Guide

Fig. C250

Size, 1-inch.....Per Dozen $4.80

Overflow Tubes for Flush Valves

Extra Heavy.

Size, 1 -inch.....Per Dozen $ 9.60
Size, 1⅛-inch.....Per Dozen 10.80
Size, 1¼-inch.....Per Dozen 14.40

Flush Valve Bushings

For reducing opening on Flush Valves for one-inch tube.

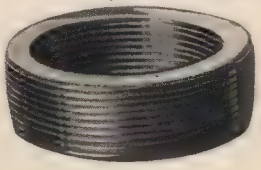


Fig. C251

Size, 1⅛x1-inch.....Per Dozen $4.80
Size, 1¼x1-inch.....Per Dozen 4.80

Adjustable Flush Valve Guides

Fig. C252

Size, 1 -inch.....Per Dozen $5.00
Size, 1⅛-inch.....Per Dozen 5.40
Size, 1¼-inch.....Per Dozen 5.60

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Copper Floats

Extra Heavy—Solderless.

Made of full 10-ounce copper and guaranteed not to leak. Our firm name stamped on each float, which is our guarantee and our customer's protection. Why buy unguaranteed light weight floats and take chances of having to replace them at your expense?

Fig. C253

4x5-inch, Oval.....Per Dozen **$9.60**

Fig. C254

5-inch, Round.....Per Dozen **$10.80**

Packed one dozen to the box in heavy card board boxes. Special quantity prices.

Nickel-Plated Cock Hole Covers

No. 1

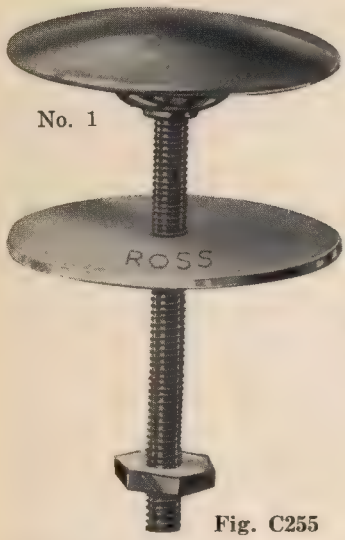


Fig. C255

Per Dozen.....$4.00

Diameter 1¾-inch.

No. 2

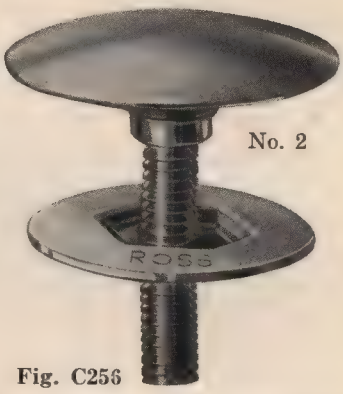


Fig. C256

Per Dozen.....$5.00

Nickel-Plated Chain Stays

No. 1 No. 2 No. 3 No. 4

Fig. C257

No. 1—For Bath Tub.....Per Dozen $4.80
No. 2—For Lavatory.....Per Dozen 4.00
No. 3—For Lavatory.....Per Dozen 4.80
No. 4—For Lavatory.....Per Dozen 7.80

Bath Tub Overflow Strainer

N. P. Heavy Wrought Brass—Diameter, 3⅛ Inches.

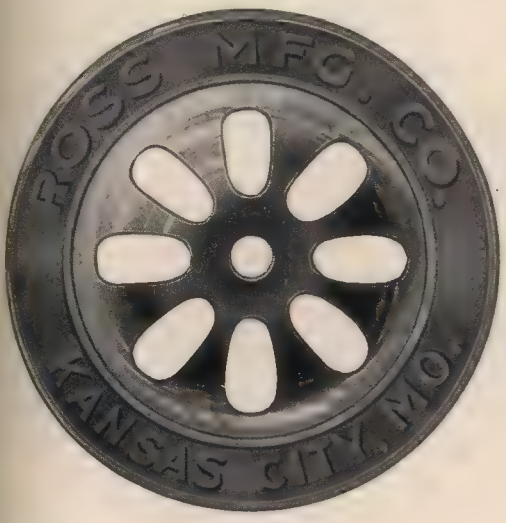


Fig. C258

Per Dozen.....$4.80

Lavatory Overflow Strainer

N. P. Brass—Size-Inches 1¼ x 2⅝.

Fig. C259

Per Dozen.....$4.80

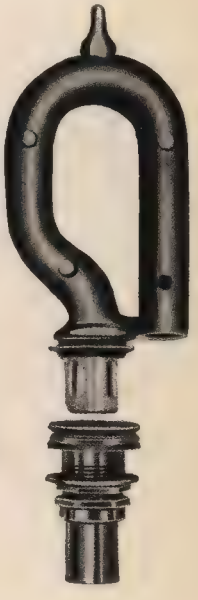


Fig. C260

Galvanized Goose-Neck Syphons

Size, 1¼-inch.....Each $1.30
Size, 1½-inch.....Each 1.50

Fig. C261

Brass Syphon Valve Seats

Size, 1¼-inch.....Each $1.60
Size, 1½-inch.....Each 1.80

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Nickel-Plated Flush Ell

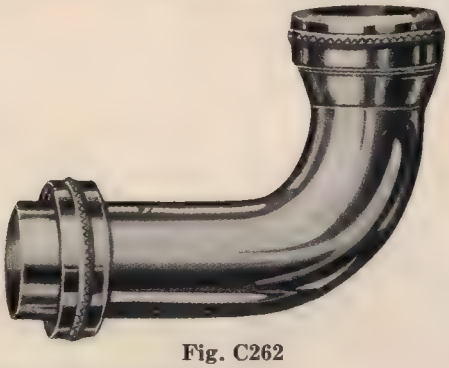


Fig. C262

1¼-inch x 4-inch, with Nuts and Washers.....Per Dozen $14.40

Nickel-Plated Flush Ell

Fig. C263

1¼-inch x 8 inches, with Nuts and Washers.....Per Dozen $24.00

Nickel-Plated Straight Flush Connection

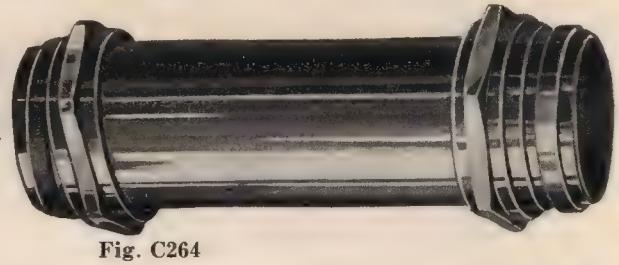


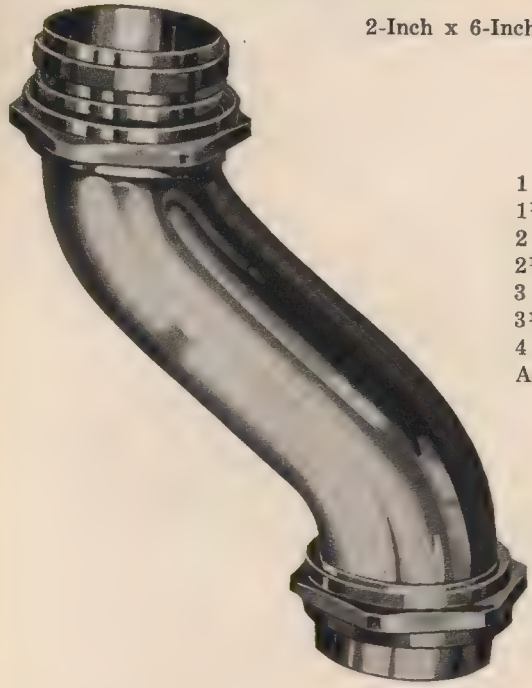
Fig. C264

2 inches x 6 inches.....Each $1.20
Add for Nuts and Washers..... 1.20

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Nickel-Plated Offset Connections

2-Inch x 6-Inch.



	Each
1 -inch Center to Center	$1.80
1½-inch Center to Center	2.00
2 -inch Center to Center	2.20
2½-inch Center to Center	2.40
3 -inch Center to Center	2.60
3½-inch Center to Center	2.80
4 -inch Center to Center	3.00
Add for Nuts and Washers	1.20

Fig. C265

Two-Inch Nickel-Plated Flush Ells

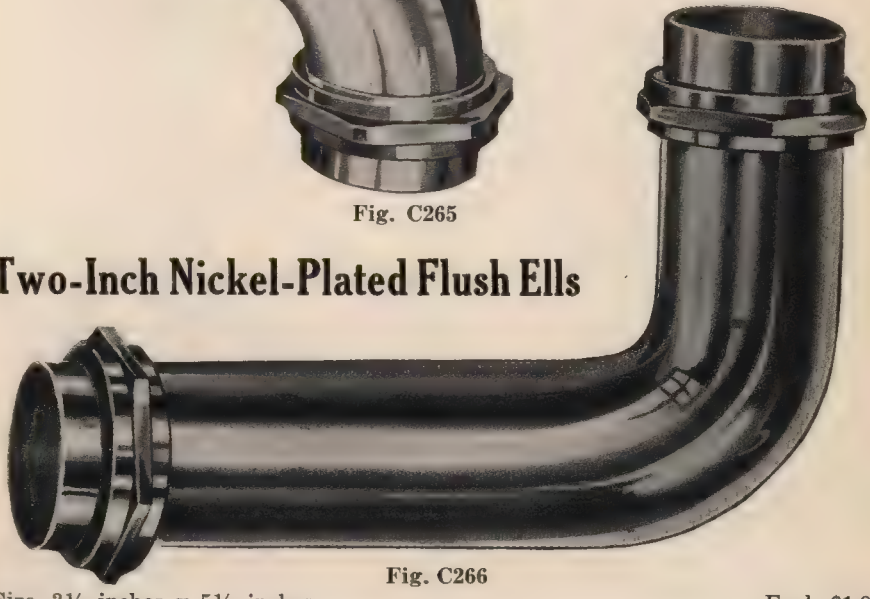


Fig. C266

Size, 3½ inches x 5½ inches	Each	$1.80
Size, 4 inches x 6 inches	Each	2.00
Size, 5 inches x 8 inches	Each	2.60
Add for Nuts and Washers		1.20

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

N. P. Flush Ells

Length 4½ Inches End to Center.

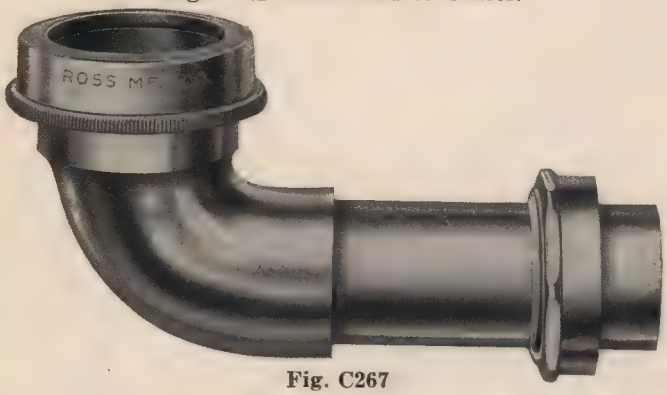


Fig. C267

Size, Inches—1½ Flush x 1¼ Spud	Each $2.00
Size, Inches—1½ Flush x 1½ Spud	Each 2.00

Brass Re-fill Tubes

For Ball Cocks.
Made from ¼-inch Annealed Brass Tubing.

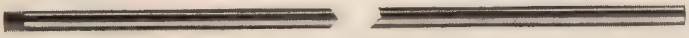


Fig. C268

Length, 9-inch	Per Dozen $5.00
Length, 12-inch	Per Dozen 6.00
Length, 18-inch	Per Dozen 8.80

Extra Long Sink Plug Tail Pieces

For One-Piece Sink Plugs.
Nickel-Plated.

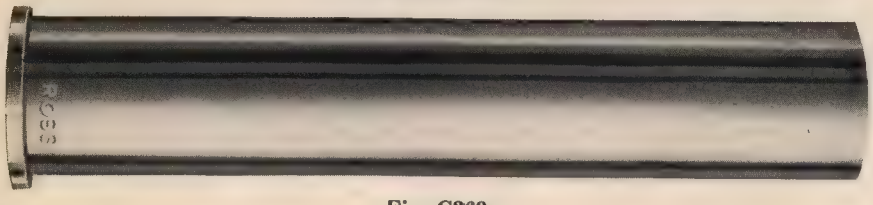


Fig. C269

Size, 1¼ x 8 Inches	Per Dozen $10.80
Size, 1½ x 8 Inches	Per Dozen 14.40

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Ross Basin Connections

White Nickel.

Fittings are made of Red Brass, heavy pattern, and are free from sand holes. The tubing is of heavy gauge, annealed and seamless. The joint is made up tight on lathe, using pipe-joint cement and guaranteed not to leak. Our Basin Connections may cost a little more than some cheap connections, but they are well worth the slight difference in price. Furnished complete with beveled slip-joint washers and brass friction rings.

No. 1

Fig. C270

No. 2

Fig. C271

No. 3

Fig. C272

No. 1—Length, 5 Inches	Per Doz. Pairs	$14.40
No. 2—Length, 5 Inches	Per Doz. Pairs	14.40
No. 1—Extra Long. Length, 8 In.	Per Doz. Pairs	18.00
No. 2—Extra Long. Length 8 In.	Per Doz. Pairs	18.00
No. 3—Length, 2 In.	Per Doz. Pairs	12.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Galvanized Iron Washers

Fig. C273

For Cock Hole Covers....Per Doz. $0.80

Fig. C274

For Basin Cocks.....Per Dozen $0.80

Brass Wash Tray Plugs

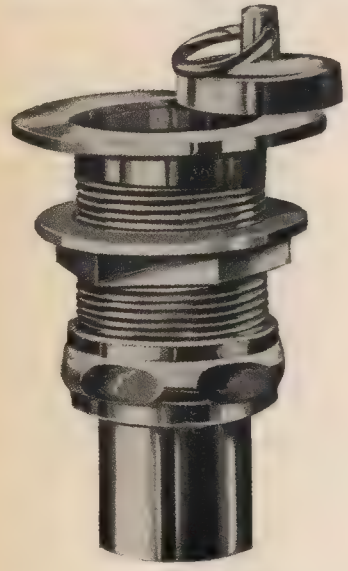


Fig. C275

Size, 1¼-inch.....Per Dozen $18.00
Size, 1½-inch.....Per Dozen 18.00

Nickel-Plated Bath Plugs

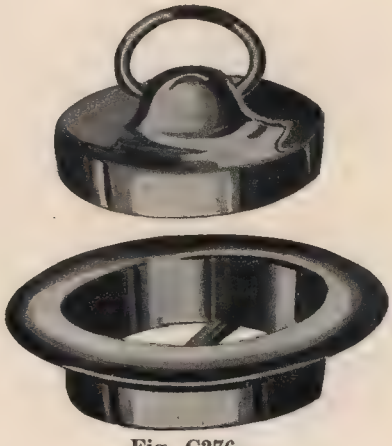


Fig. C276

Size, 1¼-inch.....Per Dozen $3.50
Size, 1½-inch.....Per Dozen 4.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Nickel-Plated Sink Couplings

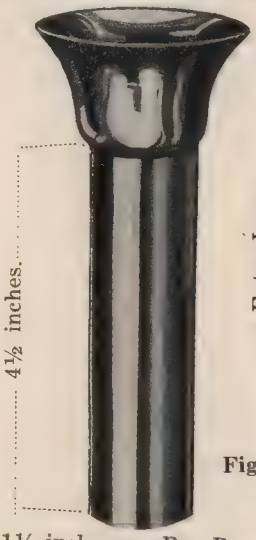


Fig. C277

Size, 1¼-inch.....Per Dozen $ 9.60
Size, 1½-inch.....Per Dozen 12.00

Patent Overflow Plug for Nickel-Plated Trap

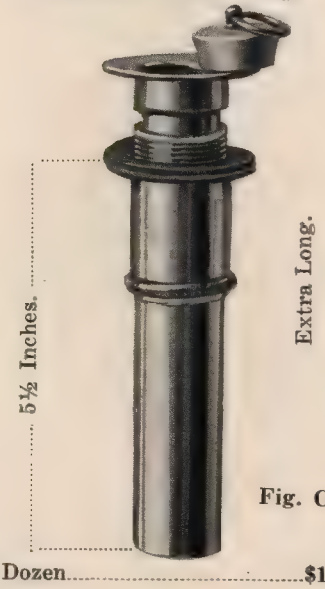


Fig. C280

Per Dozen.....$16.80

Nickel-Plated Patent Overflow Offset Trap Plug

3 Inches Center to Center.

Per Dozen.....$38.40

Fig. C278

Fig. C279

Nickel-Plated Offset Slip Inlet

3 Inches Center to Center.

Per Dozen.....$36.00

Nickel-Plated Basin Plugs for Lead Traps

Patent Overflow.

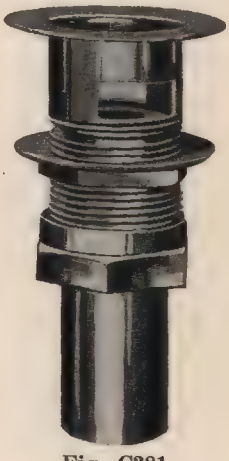


Fig. C281

Per Dozen.....$17.20

Nickel-Plated Slip Joint Couplings

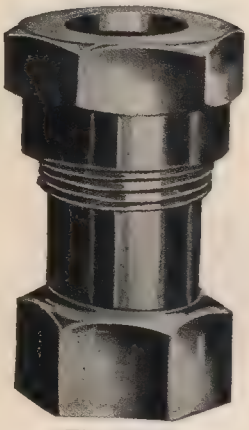


Fig. C282

Threaded for	Hole for	Per Doz.
⅜-inch I. P.	7/16 O. D	$ 7.20
⅜-inch I. P.	9/16 O. D	7.20
⅜-inch I. P.	⅜ I. P.	9.12
½-inch I. P.	⅜ I. P.	9 36
½-inch I. P.	½ I. P.	11.16

Nickel-Plated Flanged Slip Joint Couplings

Fig. C283

Threaded for	Hole for	Per Doz.
½-inch I. P.	⅜ I. P.	$12.00
½-inch I. P.	½ I. P.	12 00

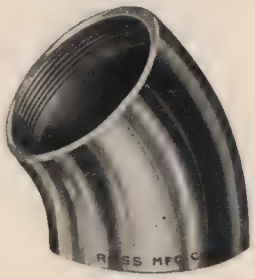
Fine Thread Nickel-Plated Elbows

Cast Brass—27 Threads to Inch.

90°

Fig. C284

Size, 1¼-inch	Per Dozen	$14.40
Size, 1½-inch	Per Dozen	16.80



45°

Fig. C285

Size, 1¼-inch	Per Dozen	$14.40
Size, 1½-inch	Per Dozen	16.80

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Nickel-Plated Brass Solder Elbows

Elbow.

Fig. C286

Size, 1¼-inch	Per Dozen	$12.00
Size, 1½-inch	Per Dozen	14.40
Size, 2 -inch	Per Dozen	19.20

45° Elbow.

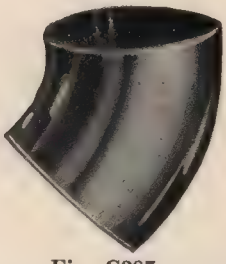


Fig. C287

Size, 1¼-inch	Per Dozen	$12.00
Size, 1½-inch	Per Dozen	14.40
Size, 2 -inch	Per Dozen	19.20

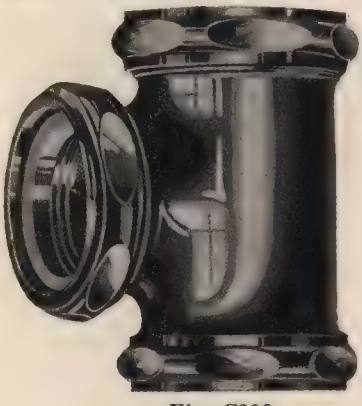


Fig. C288

Nickel-Plated Brass Slip Joint Tees

Size, 1¼-inch	Each	$2.20
Size, 1⅜-inch	Each	2.20
Size, 1½-inch	Each	2.60

Nickel-Plated Air Chamber Tee

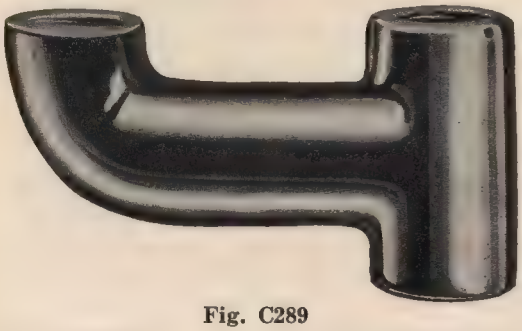


Fig. C289

Size, ⅜-inch.....Per Dozen $14.40

Nickel-Plated Brass Ring Hangers

Fig. C290

Size, ⅜-inch	Per Doz.	$8.00
Size, ½-inch	Per Doz.	8.00

Fig. C291

Nickel-Plated Brass Elbows

Size, ⅜-inch	Per Dozen	$ 7.60
Size, ½-inch	Per Dozen	9.36
Size, ¾-inch	Per Dozen	12.52
Size, ½x⅜-inch	Per Dozen	11.80
Size, ¾x½-inch	Per Dozen	15.84

Fig. C292

Nickel-Plated Brass 45° Elbows

Size, ⅜-inch	Per Dozen	$ 9.36
Size, ½-inch	Per Dozen	11.20
Size, ¾-inch	Per Dozen	14.40

Fig. C293

Nickel-Plated Brass Street Elbows

Size, ⅜-inch	Per Dozen	$10.56
Size, ½-inch	Per Dozen	14.40

Fig. C294

Nickel-Plated Brass Tees

Size, ⅜-inch	Per Dozen	$12.96
Size, ½-inch	Per Dozen	13.44
Size, ¾-inch	Per Dozen	17.76
Size, ⅜x⅜x½-inch	Per Dozen	16.80
Size, ⅜x½x⅜-inch	Per Dozen	16.80
Size, ½x⅜x½-inch	Per Dozen	16.80
Size, ½x½x⅜-inch	Per Dozen	16.80
Size, ½x½x¾-inch	Per Dozen	21.60
Size, ¾x½x½-inch	Per Dozen	21.60
Size, ¾x½x¾-inch	Per Dozen	21.60
Size, ¾x¾x½-inch	Per Dozen	21.60

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

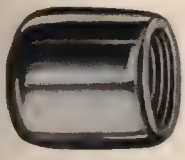


Fig. C295

Nickel-Plated Brass Couplings

Size, ⅜-inch	Per Dozen	$ 6.24
Size, ½-inch	Per Dozen	7.68
Size, ¾-inch	Per Dozen	10.56

Fig. C296

Nickel-Plated Brass Reducers

Size, ⅜x¼-inch	Per Dozen	$ 7.68
Size, ½x⅜-inch	Per Dozen	9.60
Size, ¾x½-inch	Per Dozen	12.48

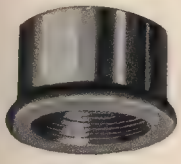


Fig. C297

Nickel-Plated Brass Caps

Size, ⅜-inch	Per Dozen	$5.28
Size, ½-inch	Per Dozen	6.72
Size, ¾-inch	Per Dozen	9.60

Fig. C298

Nickel-Plated Brass Bushings

Size, ⅜x¼-inch	Per Dozen	$4.80
Size, ½x⅜-inch	Per Dozen	6.24
Size, ¾x½-inch	Per Dozen	8.16

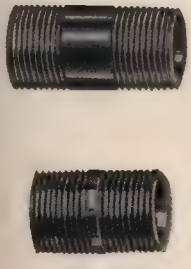


Fig. C299

Nickel-Plated Brass Nipples

	Length-Inches		
Size, ⅜-inch	1½	Per Dozen	$ 4.56
Size, ⅜-inch	2	Per Dozen	5.52
Size, ⅜-inch	2½	Per Dozen	6.92
Size, ⅜-inch	3	Per Dozen	7.44
Size, ⅜-inch	3½	Per Dozen	8.52
Size, ⅜-inch	4	Per Dozen	9.28
Size, ½-inch	1½	Per Dozen	6.00
Size, ½-inch	2	Per Dozen	7.20
Size, ½-inch	2½	Per Dozen	8.52
Size, ½-inch	3	Per Dozen	9.60
Size, ½-inch	3½	Per Dozen	10.80
Size, ½-inch	4	Per Dozen	12.00
Size, ¾-inch	1½	Per Dozen	6.72
Size, ¾-inch	2	Per Dozen	8.64
Size, ¾-inch	2½	Per Dozen	10.08
Size, ¾-inch	3	Per Dozen	12.00
Size, ¾-inch	3½	Per Dozen	13.44
Size, ¾-inch	4	Per Dozen	14.88

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Brass Solder Bushings

Flush

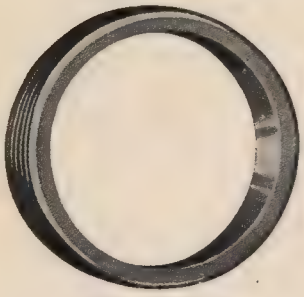


Fig. C300

I. P. Thread	Hole	Per Dozen
1¼-in.	1¼-in.	$3.00
1¼-in.	1⅜-in.	2.00
1½-in.	1¼-in.	4.00
1½-in.	1⅜-in.	3.60
1½-in.	1½-in.	3.30

Hexagon

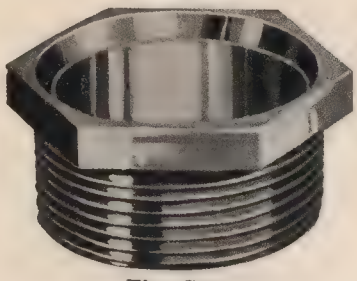


Fig. C301

I. P. Thread	Hole	Per Dozen
1¼-in.	1¼-in.	$3.60
1½-in.	1¼-in.	5.60
1½-in.	1½-in.	4.80

Slip Nuts

Brass or Nickel-Plated. Complete with Washers.

Fig. C302

I. P. Thread	Hole for Tubing	Per Dozen Brass	Per Dozen Nickel-Plated
⅜-in.	7/16-in. O. D.	$2.00	$2.40
½-in.	7/16-in. O. D.	2.80	3.20
½-in.	½-in. O. D.	2.80	3.20
½-in.	9/16-in. O. D.	2.80	3.20
1¼-in.	1¼-in. O. D.	4.00	4.32
1¼-in.	1⅜-in. O. D.	4.00	4.32
1½-in.	1¼-in. O. D.	4.32	5.64
1½-in.	1⅜-in. O. D.	4.32	5.64
1½-in.	1½-in. O. D.	4.32	5.64
2 -in.	2 -in. O. D.	6.00	7.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Nickel-Plated Brass Chain

Fig. C303

Number	Description	Price	
00	500-Foot Spool	Per Spool	$26.00
0	500-Foot Spool	Per Spool	32.00
00	250-Foot Spool	Per Spool	15.00
0	250-Foot Spool	Per Spool	18.00
00	12-Yard Box	Per Box	2 80
0	12-Yard Box	Per Box	3.40
00	24-Yard Box	Per Box	5.00
0	24-Yard Box	Per Box	6.00

Nickel-Plated Basin and Bath Chains with Snaps

Number	Description	Price	
00	Basin, 12 lengths to the box	Per Box	$2.10
0	Bath, 12 lengths to the box	Per Box	3.00

Nickel-Plated Split Links

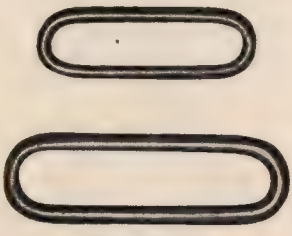


Fig. C304

Size, Small	Per Gross	$3.30
Size, Large	Per Gross	4.00

Nickel-Plated Eight Hooks

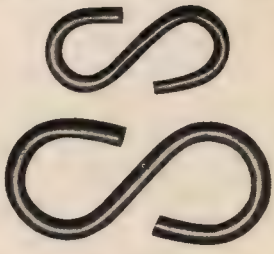


Fig. C305

Size, Small	Per Gross	$2.70
Size, Large	Per Gross	4.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Bead Chain

Nickel-Plated Brass.
For Basins and Bath Tubs.

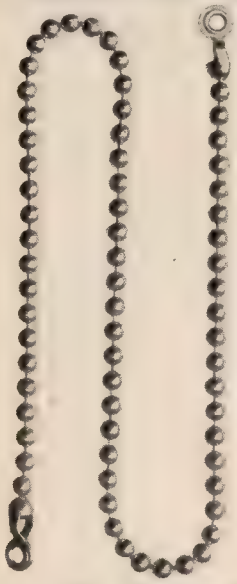


Fig. C306

		Per Doz.
Length, 11 inches.	For Basin	$3.30
Length, 16 inches.	For Bath	4.40

Pet Cocks

Finished Brass.

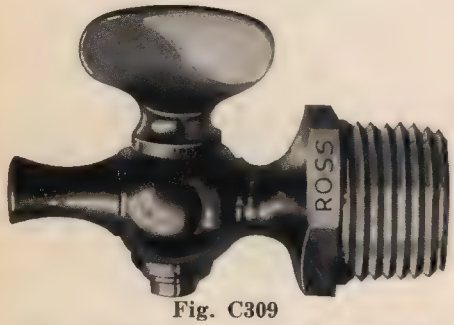


Fig. C309

Size, ⅛-inch	Per Dozen	$6.60
Size, ¼-inch	Per Dozen	7.20
Size, ⅜-inch	Per Dozen	7.20
Size, ½-inch	Per Dozen	8.40

Ross Soldering Paste

Quarter Pint Can.

Fig. C307

Per Can	$1.00
Per Dozen Cans	9.60

Iron Stove Bolts

Round Head.

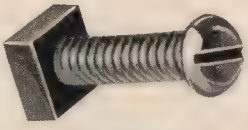


Fig. C308

Size, $\frac{3}{16}$x¾-inch	Per 100	$1.00
Size, ¼x 1-inch	Per 100	1.50

Nickel-Plated Brass Ring

For Chain Stays and Stoppers.

Fig. C310

Per Dozen	$0.50
Per 100	3.50

Sink Plugs—For One-Piece Sinks

No. 1 With Strainer.

Fig. C311

Length of plug under Flange, 1½ inches. Tail Piece, 4½ inches long.

No. 2 With Rubber Stopper.

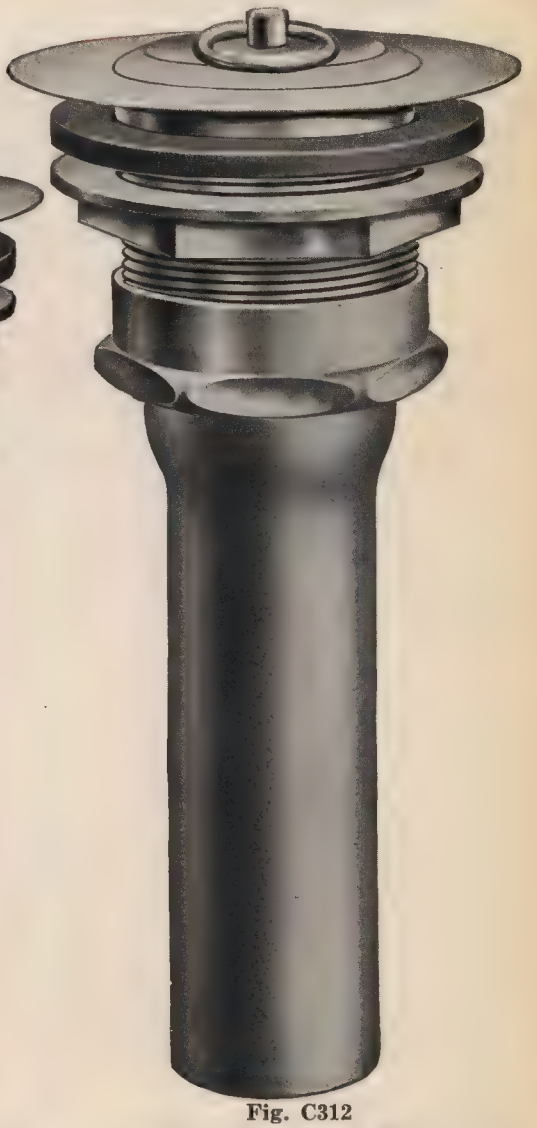


Fig. C312

Length of plug under Flange, 1½ inches. Tail Piece 4½ inches long.

No. 1—1¼-inch Tail Piece	Each	$1.80
No. 1—1½-inch Tail Piece	Each	1.80
No. 2—1¼-inch Tail Piece	Each	1.80
No. 2—1½-inch Tail Piece	Each	1.80

Nickel-Plated Brass Sink Strainers

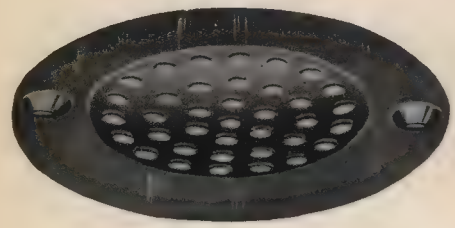


Fig. C313

No.	Size	Per Dozen
1	Diameter 4½ inches	$5.00
2	Diameter 4⅝ inches	5.00

Nickel-Plated Brass Sink Strainer with Plug

Fig. C314

Per Dozen.....$9.60

Iron Sink Collar for Lead Trap

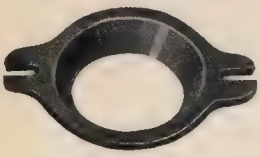


Fig. C315

Per Dozen.....$3.00

Leather Sink Bolt Washer

Fig. C316

Per 100	$0.70
Per 500	3.00
Per 1000	5.00

Iron Sink Collars

For Iron Pipe.

Fig. C317

1¼-in.	Per Doz. $6.00
1½-in.	Per Doz. 6.00

Sink Bolts

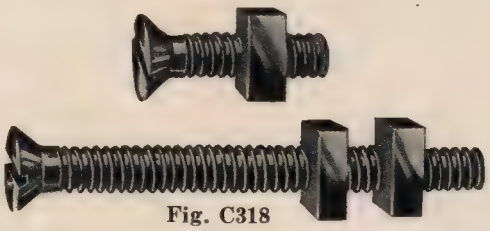


Fig. C318

Size, ¼x1	inches.	Iron	Per 100	$ 3.00
Size, ¼x2¼	inches.	Iron	Per 100	3.60
Size, ¼x2¼	inches.	Brass	Per 100	8.40
Size, ¼x1	inches.	Nickel-Plated Brass	Per 100	6.00
Size, ¼x2¼	inches.	Nickel-Plated Brass	Per 100	10.20
Size, ¼x1	inches.	Nickel-Plated Iron	Per 100	3.60
Size, ¼x2¼	inches.	Nickel-Plated Iron	Per 100	4.80

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Nickel-Plated Brass Drum Trap Cover

Diameter, 6 Inches.

Fig. C319

Per Dozen $9.60

Nickel-Plated Extension Tubes

For lengthening any waste, vent or flush pipe. Slip pipe into large end and tack with fine solder. Neat and very convenient.

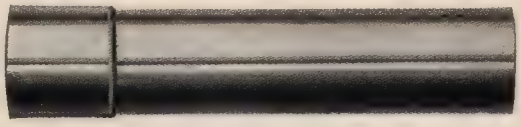


Fig. C320

Size, 1¼x6-inch ..... Per Dozen $7.20
Size, 1½x6-inch ..... Per Dozen 8.80

Closet Floor Flanges

Cast Brass.

	Per Doz.
No. 1—Extra Heavy Flange only	$12.00
No. 1—Extra Heavy Flange, with Bolts and Washers	13.60
No. 2—Heavy Flange only	10.56
No. 2—Heavy Flange, with Bolts and Washers	12.16
No. 3—Standard Flange only	8.20
No. 3—Standard Flange, with Bolts and Washers	9.80

Approximate weights—No. 1 Flange, 18 ounces; No. 2 Flange, 13 ounces; No. 3 Flange, 8 ounces.

Fig. C321

We call your attention to the bolt slot in our Floor Flanges. These slots have a ridge underneath which prevent the bolts from turning while being tightened up. Also note large openings for bolt heads through which the bolts can be inserted after flange is in place. If a bolt should break while being tightened up the head can be removed and another bolt inserted without taking up the flange. This feature insures quite a saving in time.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Extra Heavy Nickel-Plated Brass Flanges

Number 1

Regular Pattern.

Fig. C322

For Iron Pipe.

Size, ⅜-inch	Per Dozen $1.60	Size, 1¼-inch	Per Dozen $2.00
Size, ½-inch	Per Dozen 1.60	Size, 1½-inch	Per Dozen 2.80
Size, ¾-inch	Per Dozen 1.60	Size, 2 -inch	Per Dozen 2.80
Size, 1 -inch	Per Dozen 2.00		

For Tubing.

Size, $\frac{7}{16}$-inch	Per Dozen $1.60	Size, 1⅜-inch	Per Dozen $2.00
Size, $\frac{9}{16}$-inch	Per Dozen 1.60	Size, 1½-inch	Per Dozen 2.80
Size, 1¼-inch	Per Dozen 2.00	Size, 2 -inch	Per Dozen 2.80

Extra Heavy Nickel-Plated Brass Flanges

Number 2

Extra Deep Pattern.

Fig. C323

For Iron Pipe.

Size, ⅜-inch	Per Dozen $2.00
Size, ½-inch	Per Dozen 2.00

For Tubing.

Size, $\frac{9}{16}$-inch	Per Dozen 2.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Extra Heavy Nickel-Plated Brass Flanges

Number 3
Diameter, 3 Inches; Depth, 1¼ Inches.

Fig. C324
For Tubing.

Size, 1¼-inch	Per Dozen $3.60
Size, 1⅜-inch	Per Dozen 3.60
Size, 1½-inch	Per Dozen 3.60

Extra Heavy Durham Flanges

Number 4
Nickel-Plated Brass. Diameter, 3 Inches; Depth, 1⅞ Inches.

Fig. C325
For Tubing.

Size, 1¼-inch	Per Dozen $5.50
Size, 1½-inch	Per Dozen 5.50

Brass Bibb Flanges

Brass or Nickel-Plated.

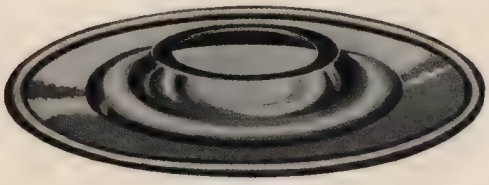


Fig. C326

Bibb Size	Per Dozen Brass	Nickel-Plated
½-inch	$1.20	$1.60
¾-inch	1.20	1.60

Extra Heavy Deep Hub Flanges

Nickel-Plated Brass.

Diameter, 4⅝ Inches; Depth, 3 Inches.

Fig. C327

For Tubing. Will Cover 2-inch Soil Pipe Hub.

Size, 1¼-inch.....Per Dozen $7.40
Size, 1½-inch.....Per Dozen 7.40

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Nickel-Plated Brass Closet Spud Flanges

Fig. C328

Size, 1¼-inch	Per Dozen	$2.50
Size, 1½-inch	Per Dozen	2.50
Size, 2 -inch	Per Dozen	2.50

Brass Closet Spuds

Fig. C329

Size, 1¼-inch	Each	$0.80
Size, 2 -inch	Each	1.20

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Oak Closet Pulls

No. 1, Plain.

Fig. C330

Per Dozen.....$3.00

No. 2, With Rubber Buffer.

Fig. C331

Per Dozen.....$4.50

Nickel-Plated Brass Closet Seat Hinge

Fig. C332

Per Dozen Pairs.....$30.00

Nickel-Plated Brass Closet Spud Reducers

Fig. C333

Size, 2x1¼-inch.....Per Dozen $14.40
Size, 2x1½-inch.....Per Dozen 14.40

Ross Boiler Repair

Patented.

The Ross Boiler Repair is made of lead and brass. The lead shell expands as the brass thumb-screw is turned after being installed in hole in range boiler. The cuts shown below are actual size, and give a good idea as to how this Repair is installed.

Instructions for Operation—Punch or drill a 7/16-inch hole in the range boiler at the leak; then insert Ross Boiler Repair. Hold lug on side of shell to keep it from turning while tightening up brass thumb-screw with pliers.

You will find this the most satisfactory and the easiest installed boiler repair on the market.

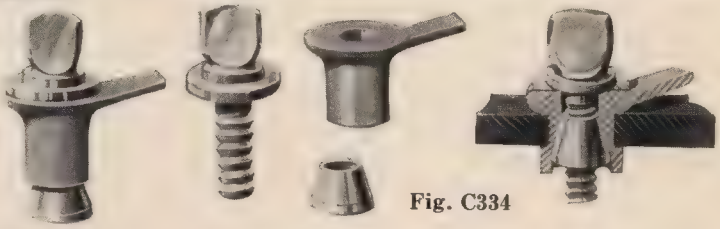


Fig. C334

Per Dozen $4.00

Fig. C335

Brass Boiler Repair

Complete With Washers.

Per Dozen $6.00

Tap Plugs

Fig. C336

No. 1—Size, 7/16-inch.....Per Doz. $4.00
No. 2—Size, 3/8-inch.....Per Doz. 4.50
No. 3—Size, 7/16-inch.....Per Doz. $5.10
No. 4—Size, 1/2-inch.....Per Doz. 6.90

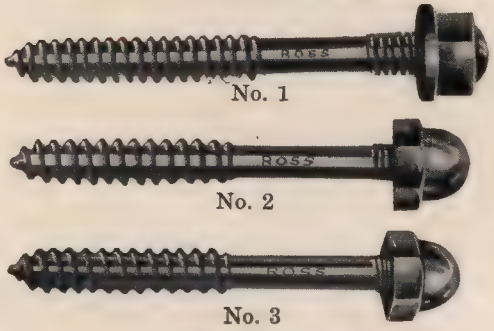
Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Closet Screws

We make an extra charge for washers on orders for less than 100 screws.

	Per 100
No. 1—Brass, with No. 3 Washers	$12.00
No. 2—Brass, with No. 3 Washers	10.00
No. 3—Brass Plated, with No. 3 Washers	8.00

With Nickel-Plated Brass Heads.



No. 1

No. 2

No. 3

Fig. C337

Brass Closet Bolts

With Nickel-Plated Brass Heads.

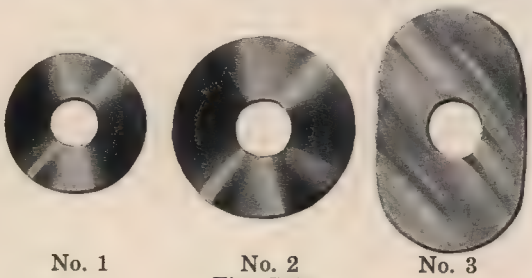
No. 1 No. 2

Fig. C338

No. 1—Size, ¼x1¾-inch	Per 100	$12.00
No. 2—Size, ¼x2½-inch	Per 100	14.00
No. 3—Size, $\frac{5}{16}$x1¾-inch	Per 100	14.00
No. 4—Size, $\frac{5}{16}$x2½-inch	Per 100	18.00

Washers not included in above prices.

Nickel-Plated Brass Washers



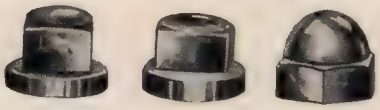
No. 1 No. 2 No. 3

Fig. C339

No. 1	Per 100	$2.00
No. 2	Per 100	2.20
No. 3	Per 100	2.40
No. 3 Extra Heavy	Per 100	4.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Nickel-Plated Brass Heads



No. 1 No. 2 No. 3

Fig. C340

Per 100 ..... $6.00

Threaded Brass Rod

Thread ¼-20, 1 Foot Lengths.

Fig. C341

Per Foot $0.40

Brass Float Rods

Cut-Off Pattern.

Fig. C342

3-inch thread on one end, standard thread on the other.
Threads ¼-20.

Size, 6-inch	Per Dozen	$2.40
Size, 8-inch	Per Dozen	2.88
Size, 10-inch	Per Dozen	3.36
Size, 12-inch	Per Dozen	4.32

Tank Ball Stems

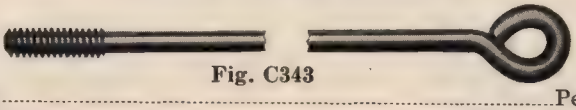


Fig. C343

Size, 4¾-inch	Per Dozen	$1.20
Size, 5¾-inch	Per Dozen	1.50

Lever Wires

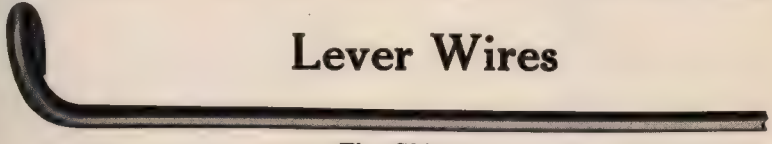


Fig. C344

Size, 7-inch	Per Dozen	$1.90
Size, 10-inch	Per Dozen	2.20

Brass Basin Clamps

No. 1 Standard.

Fig. C345

Per Dozen.....$4.00

No. 2 Heavy.

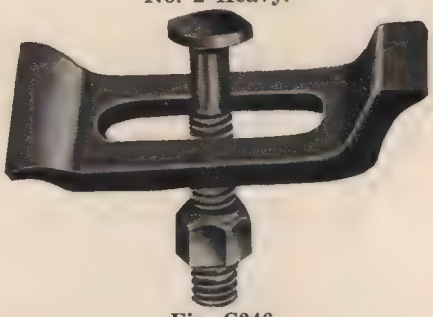


Fig. C346

Per Dozen.....$4.50

Brass Hopper Clamp

Fig. C347

Size, 1¾	-inch	Per Dozen	$ 7.20
Size, 2	-inch	Per Dozen	6.60
Size, 3	-inch	Per Dozen	7.80
Size, 4	-inch	Per Dozen	10.00
Size, 5	-inch	Per Dozen	15.00
Size, 6	-inch	Per Dozen	20.00

Brass Waste Tubes

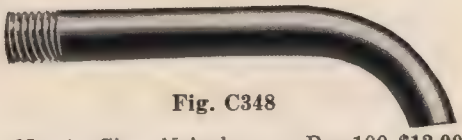


Fig. C348

No. 1—Size, $\frac{15}{64}$	-inch	Per 100	$12.00
No. 2—Size, $\frac{9}{32}$	-inch	Per 100	12.00

Soil Pipe Repair Plates

Fig. C349

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Leather Hydrant Sets

FOR TOTAL ECLIPSE HYDRANT

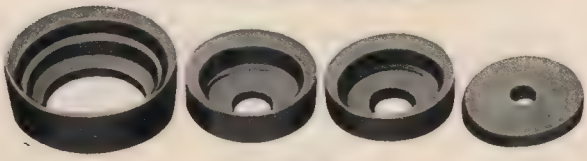


Fig. C350

Per Dozen Sets.....$3.00

FOR MURDOCK HYDRANT

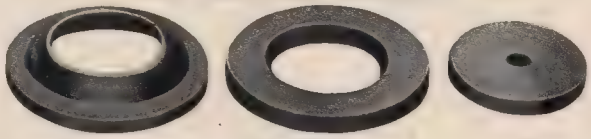


Fig. C351

Per Dozen Sets.....$2.00

FOR ECLIPSE ANTI-FREEZING HYDRANT

Fig. C352

Per Dozen Sets.....$3.50

FOR ECLIPSE HYDRANT

Fig. C353

Per Dozen Sets.....$2.50

Leather Hydrant Cups

Fig. C354

Size, 1-inch.....Per 100 $7.00

Fig. C355

Size, 1¼-inch.....Per 100 $8.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Leather Ball Cock Cups

Extra Fine Oiled Leather. Cuts Full Size.

No. 1, 7/16-in. No. 2, 1/2-in. No. 3, 15/32-in. No. 4, 9/16-in.

No. 5, 5/8-in. No. 6, 33/32-in. No. 7, 3/4-in. No. 8, 1 1/16-in.

No. 9, 1-in. No. 10, 1 1/8-in. No. 11, 1 3/16-in.

Fig. C356

Per 100	$6.00
5/8-inch for Furnace Pumps. Per Dozen	.80

Cup Leathers

Fig. C357

Outside Diameter	P. S. Pump No.	Per Dozen
2 1/2-inch	1	$3.50
3 -inch	2	4.00
3 1/2-inch	3	5.50
4 -inch	4	6.50

Valve Leathers

Fig. C358

Outside Diameter	P. S. Pump No.	Per Dozen
3 -inch	1	$2.00
3 1/2-inch	2	2.60
4 -inch	3	3.00
4 1/2-inch	4	3.50

Brass Cotter Pins

Fig. C359

	Size	Per Gross	Per Dozen
No. 1—	1/8 x1-inch	$5.00	$0.50
No. 2—	3/32 x1-inch	6.00	.60
No. 3—	1/16 x1-inch	8.00	.70
Assorted		6.00	

Brass Ball Cock Screws

Fig. C360

	Size	Per Gross	Per Dozen
No. 1—	5/8-inch	$4.00	$0.40
No. 2—	1 -inch	5.00	.60

Brass Fuller Stem Nut

Fig. C361

Per Gross	$3.00
Per Dozen	.30

Brass Flush Valve Thumb Screw

Fig. C362

Per Gross	$5.00
Per Dozen	.60

Brass Ball Cock Thumb Screw

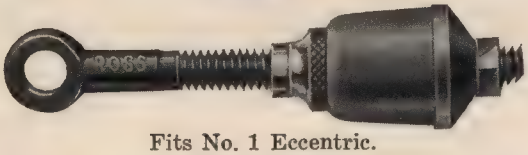
Fig. C363

Per Gross	$6.00
Per Dozen	.80

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Adjustable Fuller Stems

Number 1



Fits No. 1 Eccentric.

Number 2

Fits No. 2 Eccentric.

Number 3

Fits No. 3 Eccentric.

Fig. C364

Size	Per Doz.	Size	Per Doz.
No. 1—½-inch	$4.50	No. 2—⅝-inch	$4.50
No. 1—$\frac{9}{16}$-inch	4.50	No. 3—½-inch	4.50
No. 1—⅝-inch	4.50	No. 3—$\frac{9}{16}$-inch	4.50
No. 2—½-inch	4.50	No. 3—⅝-inch	4.50
No. 2—$\frac{9}{16}$-inch	4.50		

We carry the most complete assortment of Adjustable Fuller Stems with which any makes of Fuller Bibbs, Basin or Bath Cocks can be repaired.

Fuller Caps

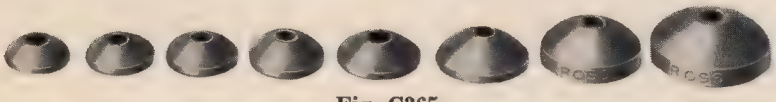


Fig. C365

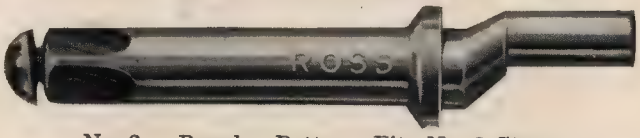
Size	⅜	½	$\frac{9}{16}$	⅝	$\frac{11}{16}$	¾	$\frac{13}{16}$	1
Per Gross	$3.00	3.00	4.00	4.00	4.00	4.00	6.00	12.00
Per Dozen	.40	.40	.50	.50	.50	.50	.80	1.20

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

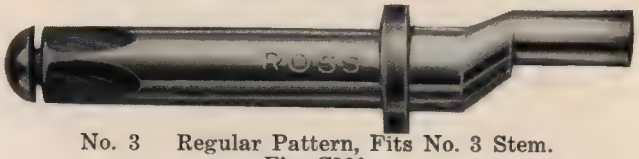
Fuller Eccentrics

Nickel-Plated Brass.

No. 1 Regular Pattern, Fits No. 1 Stem.



No. 2 Regular Pattern, Fits No. 2 Stem.

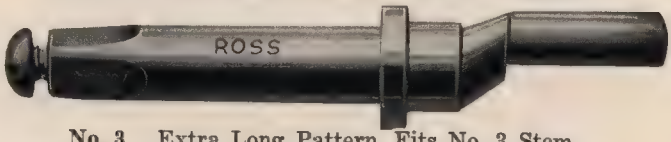


No. 3 Regular Pattern, Fits No. 3 Stem.

Fig. C366

No. 1 Extra Long Pattern, Fits No. 1 Stem.

No. 2 Extra Long Pattern, Fits No. 2 Stem.



No. 3 Extra Long Pattern, Fits No. 3 Stem.

Fig. C367

No.	For	Per Doz.
1	Sink Bibbs	$4.50
2	Basin Cocks	4.50
3	Bath Cocks	4.50

No.	For	Per Doz.
1 Extra Long	Sink Bibbs	$5.00
2 Extra Long	Basin Cocks	5.00
3 Extra Long	Bath Cocks	5.00

Our Fuller Eccentrics are made expressly for repair work, and when our Stems and Eccentrics are used in conjunction we guarantee a perfect fit, thereby saving considerable time and worry in filing and reaming, trying to make an Eccentric fit a Stem for which it is not intended.

We have made our illustrations actual size and we call our customers' attention to the width and design of the shoulders on our Eccentrics. These are made extra large, which prevents them from pulling through stuffing-box nut on a faucet which is slightly worn. Also note difference in size of the spindles on the different Eccentrics and the extra long lengths of same.

Assortments of Brass Screws and Nuts

For Bibbs, Ball Cocks and General Repair Work.
Put up in partitioned tin boxes.

Fig. C368

Contents	Per Box
Assortment No. 1—All sizes of Screws and Nuts	$4 50
Assortment No. 2—All sizes of Screws only	5.50
Assortment No. 3—All sizes of Nuts only	4.00
Assortment No. 4—All sizes of Bibb Screws only	5.00
Assortment No. 5—Two sizes of Ball Cock Screws only	5.50

Ball Cock Seat Caps

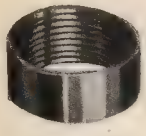


Fig. C369

No.	Make	Per 100	Per Doz.
1	Wolff	$12 00	$1.80
2	Ideal	12.00	1.80
3	Lipp and Try-Me	12.00	1.80
4	Success	12.00	1.80
5	Standard and McShane	12.00	1.80
6	Mott	12 00	1.80
7	McDonald	12.00	1.80
8	Hamilton Gem	12.00	1.80
9	Ross-Crane-Paragon-M-VB	12.00	1.80

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Fuller Eccentric Washers

Lead. Felt.

Fig. C370

Fig. C371

Felt	Per 100	$3.00
Lead	Per 100	1.50
Set Complete, two lead and one felt	Per 100	5.50

Fig. C372

Fibre Union Washers for Fuller Bath Cocks

No. 1—Hole ¾-inch, O. D. 1⅛-inch	Per 100	$3.00
No. 2—Hole $\frac{13}{16}$-inch, O. D. $1\frac{3}{16}$-inch	Per 100	3.00

Assorted Fuller Repairs

Fig. C373

Our boxed assortment of Fuller Repairs, which contains a complete assortment of Adjustable Fuller Stems, Nickel-Plated Eccentrics, Lead and Felt Eccentric Washers, Caps, Nuts and Screws.

Per Box $9.00

Tank Heater Union Washers

Red Fibre.

No. 1 Fig. C374 No. 2

No. 1—$\frac{3}{16}$ Hole $\frac{7}{8}$ O. D. ..... Per 100 $3.00
No. 2—$\frac{5}{8}$ Hole $\frac{15}{16}$ O. D. ..... Per 100 3.00

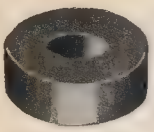


Fig. C375

Felt Washer for Wolff Ball Cock

Per Dozen..... $0.80

Fig. C376

Wolff Float Rod Reducer

Per Dozen..... $1.60

Assorted Ball Cock Repairs

Fig. C377

Our partitioned box which contains an assortment of Soft Pure Gum Ball Cock Washers, Brass Cotter Pins, Extra Long Brass Screws, Nuts, Oiled Leather Ball Cock Cups and Brass Seat Caps.

Per Box..... $12.00

Brass Friction Rings

For Slip Joint Nuts

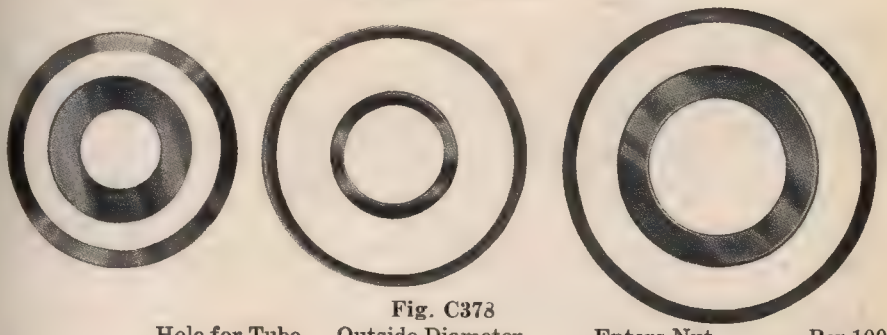


Fig. C378

	Hole for Tube	Outside Diameter	Enters Nut	Per 100
No. 1	$\frac{7}{16}$-inch	$\frac{13}{32}$-inch	$\frac{3}{8}$-inch I. P.	$2.40
No. 2	$\frac{1}{2}$-inch	$\frac{13}{32}$-inch	$\frac{3}{8}$-inch I. P.	2.40
No. 3	$\frac{1}{2}$-inch	$\frac{47}{64}$-inch	$\frac{1}{2}$-inch I. P.	2.80
No. 4	$\frac{9}{16}$-inch	$\frac{47}{64}$-inch	$\frac{1}{2}$-inch I. P.	2.80
No. 5	1¼-inch	1½-inch	1¼-inch I. P.	7.40
No. 6	1¼-inch	$1\frac{33}{32}$-inch	1½-inch I. P.	7.40
No. 7	1⅜-inch	1½-inch	1¼-inch I. P.	7.40
No. 8	1⅜-inch	$1\frac{33}{32}$-inch	1½-inch I. P.	8.40
No. 9	1½-inch	$1\frac{33}{32}$-inch	1½-inch I. P.	8.40
No. 10	2 -inch	$2\frac{3}{16}$-inch	2 -inch I. P.	9.20
No. 11	Special for Ross Ball Cock, Hole for		⅜-inch I. P. S. Supply	3.00
No. 12	Special for Ross Ball Cock, Hole for		½-inch O. D. Supply	3.50
Boxed Assortment			Per Gross	4.50

Lead Flange Washers

For Wiping Flanged Joints on Basin and Sink Traps

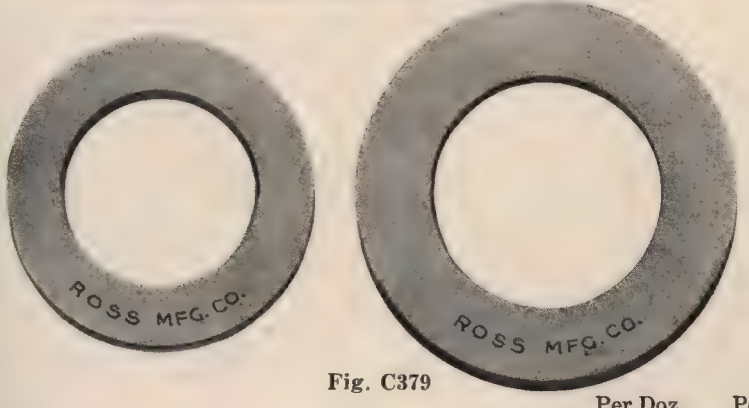


Fig. C379

	Per Doz.	Per 100
Size, 1¼-inch	$2.00	$14.00
Size, 1½-inch	3.00	20.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Cast Brass Hose Couplings

Fig. C380

Size, ½, ⅝ or ¾-inch.....Per Dozen $5.20
Female Couplings only.....Per Dozen 4.00

Fig. C382

Galvanized Hose Clamps

Fig. C381

Size	Per Doz.
½, ⅝ or ¾-inch	$1.20
1-inch	1.50

Iron Hose Menders

Size, ½, ⅝ or ¾-inch.
Per Dozen.....$1.60

Hose Pliers

Fig. C383

Per Pair.....$0.80

Caldwell Hose Bands

Brass.

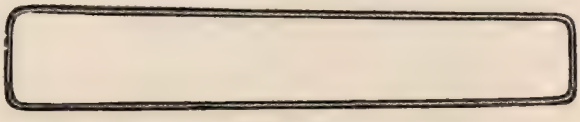


Fig. C384

Packed One Gross to the Box.

No. 4, for ½-inch hose	Per Gross $ 7.60
No. 6, for ¾-inch 3-ply hose	Per Gross 8.00
No. 8, for ¾-inch 4-ply hose	Per Gross 8.40
No. 10, for 1-inch 3-ply hose	Per Gross 9.00
No. 12, for 1-inch 4-ply hose	Per Gross 10.60

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Ross Mixed Pipe Joint Cement

Mixed with boiled Linseed Oil ready for use in friction top cans, which prevents drying out. These cans are absolutely air tight and will keep the cement in perfect condition indefinitely.

Fig. C385

Packed 24 and 48 1-pound cans to the carton.

We do not break cartons.

24-Pound Carton, 1-pound Cans	Per Pound	$0.70
48-Pound Carton, 1-pound Cans	Per Pound	.64
15-Pound Can	Per Pound	.50
25-Pound Can	Per Pound	.48

Fig. C386

Ross Dry Pipe Joint Cement

Buy it by the barrel and save money.

10-Pound Can	Per Pound	$0.30
25-Pound Can	Per Pound	.28
50-Pound Can	Per Pound	.26
100-Pound Drum	Per Pound	.24
200-Pound Barrel	Per Pound	.22

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Ross Drain Pipe Solvent

We have been selling our Solvent to the plumbing trade exclusively for several years and have hundreds of satisfied customers in all sections of the United States who continue to use it and re-order. Our Solvent is very powerful and can be used with either cold or hot water.

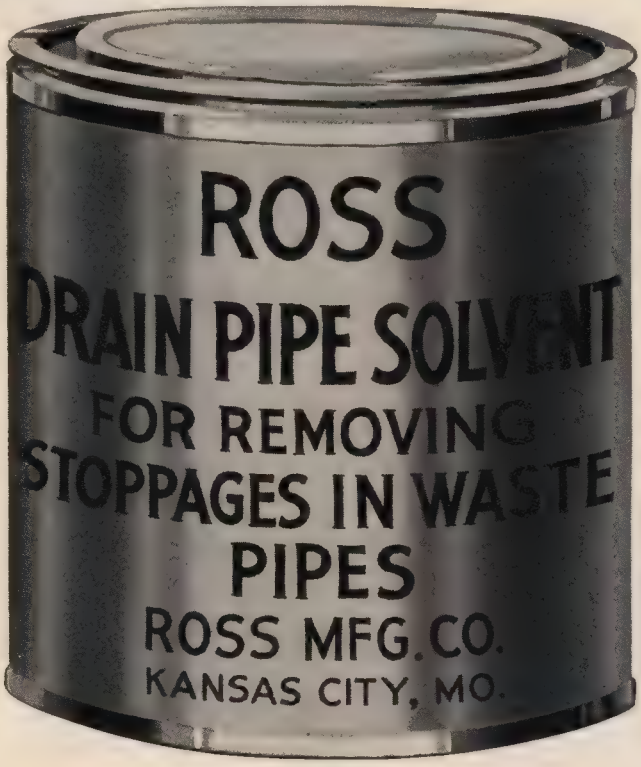


Fig. C387

Size Can	Approximate Weight	Per Dozen
No. 1	1 pound	$ 9.60
No. 2	2 pounds	18.00

Standard Packages:
24 No. 1 Cans to the Carton; 12 No. 2 Cans to the Carton.

We do not break cartons.

Write us or see our salesmen regarding special quantity discounts.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

This Display Card Free

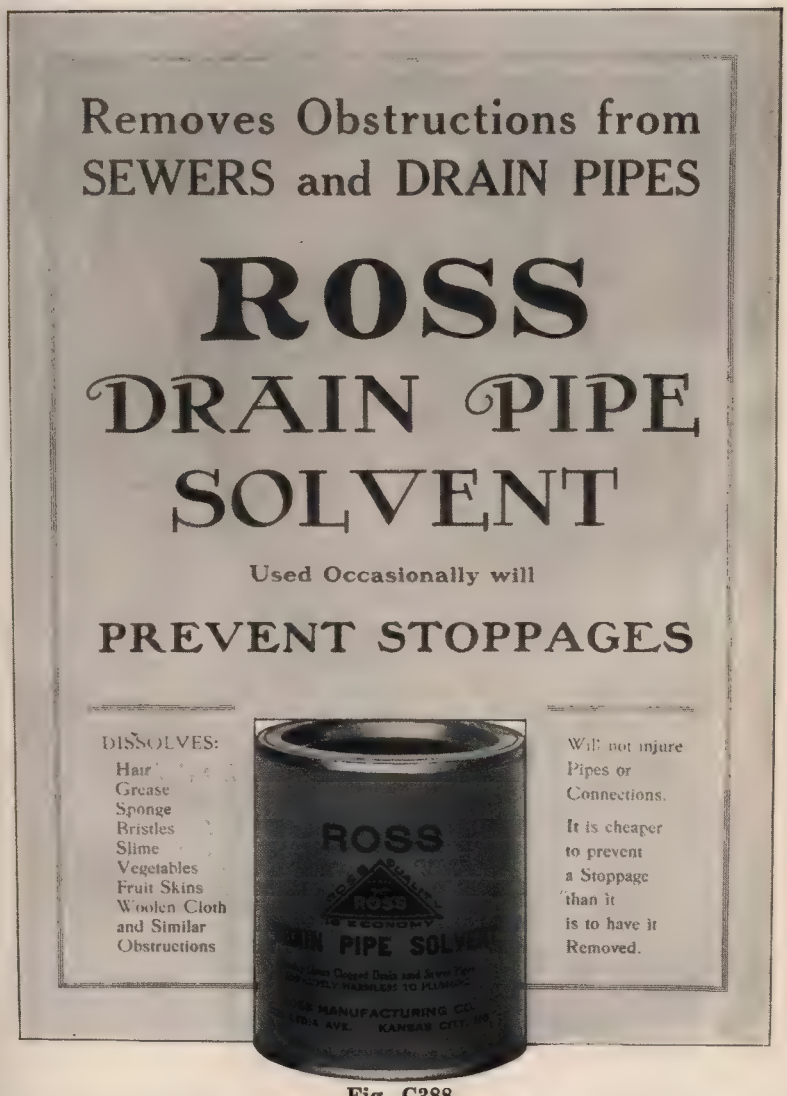


Fig. C388

We pack one of these display cards in every carton of two dozen 1-pound cans of Ross Drain Pipe Solvent. They make an attractive counter or window display.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Nickel-Plated Brass Toggle Bolts

Fig. C389

No.	Suitable for Hollow Wall	Diameter of Screw	Outside Diameter of Bolt	Price Per Hundred
1—	⅞ inch thick	$\frac{3}{16}$-inch	¼-inch	$23.00
2—	1 inch thick	$\frac{3}{16}$-inch	¼-inch	24.00
3—	1¼ inch thick	$\frac{3}{16}$-inch	¼-inch	24.50
4—	1½ to 2 inches thick	$\frac{3}{16}$-inch	¼-inch	26.00
5—	2 to 2½ inches thick	$\frac{3}{16}$-inch	¼-inch	30.00
6—	2½ to 3 inches thick	$\frac{3}{16}$-inch	¼-inch	32.00
7—	3 to 3½ inches thick	$\frac{3}{16}$-inch	¼-inch	34.00

These Toggle Bolts are nickel-plated brass, made expressly to secure bath room trimmings where screws or expansion bolts cannot be used. We call particular attention to outside diameter of bolt.

Brass Expansion Bolts

Nickel-Plated Brass Screws. Special Size for Bath Room Trimmings.

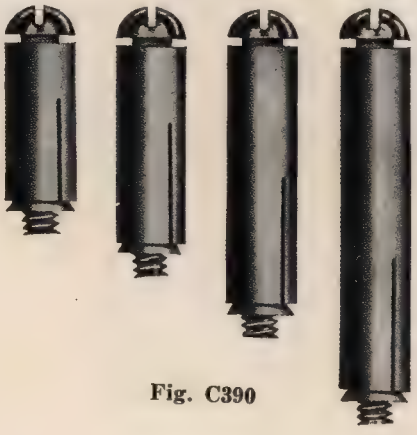


Fig. C390

Length of Screw	Size of Screw	Size Hole Required	Price Per 100 with Nickel-plated Screw
1 inch	No. 8	⅜-inch	$10.00
1¼ inches	No. 8	⅜-inch	11.00
1½ inches	No. 8	⅜-inch	12.00
2 inches	No. 8	⅜-inch	13.00

Steel Toggle Bolts

No. 1

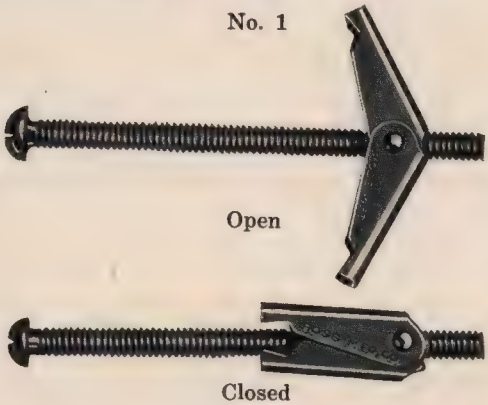


Fig. C391

Size		
3/16x2 inches	Per 100	$ 9.60
3/16x3 inches	Per 100	10.20
3/16x4 inches	Per 100	10.80
3/16x5 inches	Per 100	11.40
3/16x6 inches	Per 100	12.00

Steel Toggle Bolts

No. 2

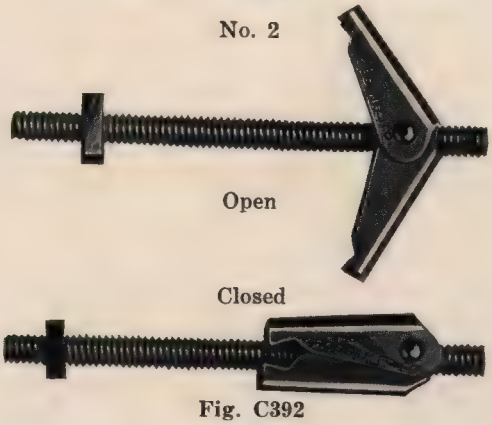


Fig. C392

Size		
1/4x3 inches	Per 100	$11.40
1/4x4 inches	Per 100	12.00
1/4x5 inches	Per 100	12.50
1/4x6 inches	Per 100	13.20

See page 107 for N. P. Brass Heads to be used in conjunction with No. 2 Bolts.

Fig. C393

Lead Expansion Anchors

(One Piece)

Size	For Screw No.	Per 100
⅛ x ¾ inch	5–6–7–8	$ 7.00
⅛ x ¾ inch	9–10–11	7.70
⅛ x 1 inch	9–10–11	8.00
¼ x ¾ inch	12–13–14	8.00
¼ x 1 inch	12–13–14	8.90
¼ x 1½ inches	12–13–14	10.80

See page 27 for Screws, as they are not included in these list prices.

Iron Expansion Shields

For hanging pipe lines from concrete ceilings and to be used in conjunction with Lag Screws listed on pages 126 and 127. These are the best Expansion Shields on the market. Note the numerous sharp teeth, which makes it impossible for the shields to pull out.

Fig. C394

No. 1—Takes No. 1 Flat Head Lag Screw	Per 100	$13.40
No. 2—Takes No. 2 Flat Head Lag Screw	Per 100	22.20
No. 3—Takes No. 3 Flat Head Lag Screw	Per 100	39.00
No. 4—Takes ⅜ and ½-inch Threaded Lag Screws	Per 100	56.00

Fig. C395

Wire Pipe Hooks

Reznor Pattern—Patented.

Guaranteed Not to Bend.

Pipe Size	Length	Per 1000	Per 100
½ inch	4 inches	$24.00	$2.60
½ inch	6 inches	30.00	3.30
¾ inch	4 inches	26.00	2.90
¾ inch	6 inches	34.00	3.80
1 inch	6 inches	40.00	4.40
1¼ inches	6 inches	50.00	5.50
1½ inches	8 inches	70.00	7.70
2 inches	8 inches	80.00	8.80
2 inches	10 inches	90.00	9.90

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Steel Band Hanger

Fig. C396

List Price each, on Hanger only.

Size	½	¾	1	1¼	1½	2	2½	3	3½	4	4½	5	6
	$0.14	.16	.20	.24	.26	.28	.30	.32	.34	.40	.42	.44	.50

Steel Band Hanger

With Hanger Iron and Ceiling Plate.

See Fig. C396 for price on Band Hanger.

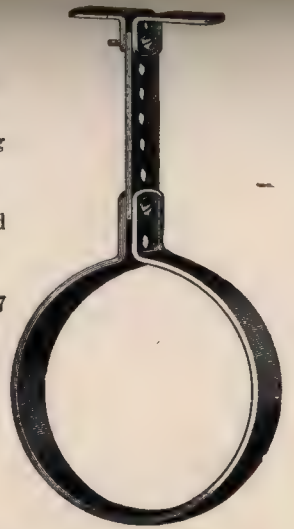


Fig. C397

R. H. Iron Stove Bolts

¼x¾ inch.....Per 100 $1.50

Perforated Hanger Iron

Fig. C398

No. 0	Per 100 Feet	$ 6.00
No. 1	Per 100 Feet	7.00
No. 2	Per 100 Feet	10.00
No. 3	Per 100 Feet	12.00

All Sizes 250 Feet to Bundle.

Ceiling Plate with Bolt

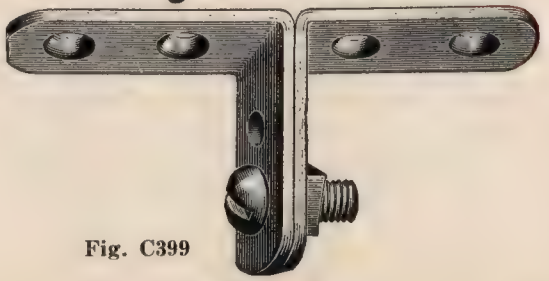


Fig. C399

List Price, Each.

No. 1—For Pipe 2 in. to 3 in., inclusive	$0.20
No. 2—For Pipe 3½ in. to 6 in., inclusive	.30

Ross Manufacturing Co. Kansas City, Missouri
ROSS QUALITY IS ECONOMY ROSS

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Steel Band Hanger

With Threaded Socket.

Fig. C400

See page 125 for price on Band Hanger.

Steel Band Hanger

With Lag Screw and Hanger Iron.

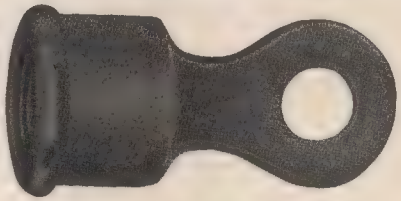
Fig. C401

See page 125 for price on Band Hanger and Hanger Iron.

Malleable Iron Socket

With Pipe Thread.

Fig. C402



List Price Each—For ⅜-in. Pipe	$0.20
List Price Each—For ½-in. Pipe	.26

Flat Head Lag Screw

Gimlet Pointed, with Bolt.

Fig. C403
List Price, Each.

No. 1—⅜x3	inches	$0.12
No. 2—⅜x4½	inches	.18
No. 3—½x5	inches	.24

Ross Manufacturing Co. Kansas City, Missouri
ROSS PRODUCTS
ROSS
IS ECONOMY

Steel Band Hanger

With Threaded Lag Screw and Socket.

Fig. C404

See pages 125 and 126 for prices on Band Hangers and Sockets.

Threaded Lag Screw

Gimlet Pointed.

Fig. C406

List Price for ⅜-in. Pipe.....Each **$0.16**
List Price for ½-in. Pipe.....Each **.24**

Steel Band Hanger

With Hanger Iron and Beam Clamp.

Fig. C405

See page 125 for price on Band Hanger and Hanger Iron.

Steel I Beam Clamp

Adjusted to fit I Beams 1 inch to 6½ inches.

Fig. C407

List Price, Each.

No. 1—For Pipe ½ in. to 3 in., inclusive.....**$0.50**
No. 2—For Pipe 3½ in. to 6 in., inclusive..... **.60**

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Galvanized Extension Ring Hanger

Fig. C408

List Price Per 100.

½-inch Complete as shown	$35.00
¾-inch Complete as shown	42.00
1-inch Complete as shown	49.00
½-inch Without Nipple	28.00
¾-inch Without Nipple	35.00
1-inch Without Nipple	42.00

Pipe Strap

Galvanized.

Fig. C409

List Price Per Pound.

⅜-inch to 2-inch, inclusive $0.40

Packed Five Pounds to the Box.

We Do Not Break Packages.

Galvanized Ring Hanger

Malleable Iron.

Fig. C410

List Price Per 100.

⅜-inch	$ 9.20
½-inch	9.20
¾-inch	10.00
1-inch	13.00

ROSS SPECIALTY IS ECONOMY ROSS

Wood Wheel Compression Radiator Air Valves

No. 1.

Fig. C411

Per Dozen $2.50

Packed Two Dozen to the Box.

No. 2.

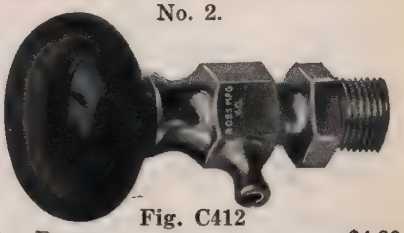


Fig. C412

Per Dozen $4.80

Packed One Dozen to the Box.

Automatic Radiator Air Valve

No. 5.

Fig. C415

Per Dozen $10.00

Packed One Dozen to the Box.

Lock-Shield Radiator Air Valve

No. 3.

Fig. C413

Per Dozen $4.00

Packed Two Dozen to the Box.

Four Keys Furnished With a Box.

Extra Keys ..... Per Dozen $1.20

Coin-Lock Radiator Air Valves

No. 4.

Fig. C414

Per Dozen $2.40

Packed Four Dozen to the Box.

Special Quantity Prices.

Ross Floor and Ceiling Plates

Nickel Plated—Our New Pattern.

Open. Closed.

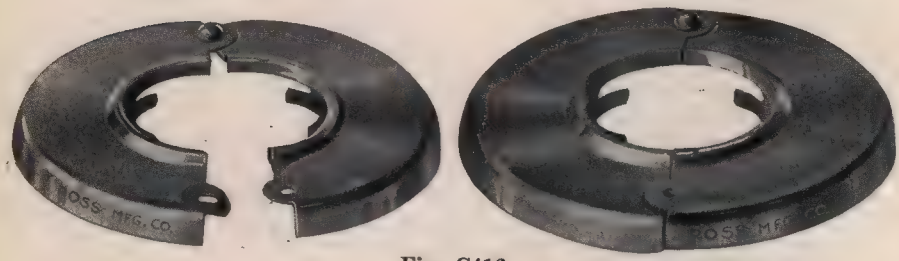


Fig. C416

	Per Dozen	Per Hundred
Size, ⅜-inch	$ 3.40	$26.60
Size, ½-inch	3.50	27.70
Size, ¾-inch	3.60	28.70
Size, 1 -inch	4.10	32.80
Size, 1¼-inch	4.60	35 90
Size, 1½-inch	5.00	39.00
Size, 2 -inch	5.80	46.20
Size, 2½-inch	8.40	66.70
Size, 3 -inch	10.40	82.00

Special Quantity Prices.

Cast Iron Refrigerator Drain

Galvanized.

4x12 Inches—Slip Nut for 1¼ Iron Pipe.

We call particular attention to the swing and slip-joint features of this drain which gives it a radius of two feet. Quickly and easily installed and can be swung around to meet requirements of refrigerator outlet. This is the best and most practical drain on the market.

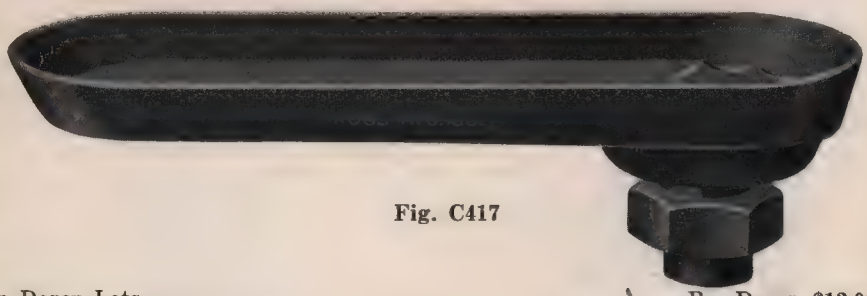


Fig. C417

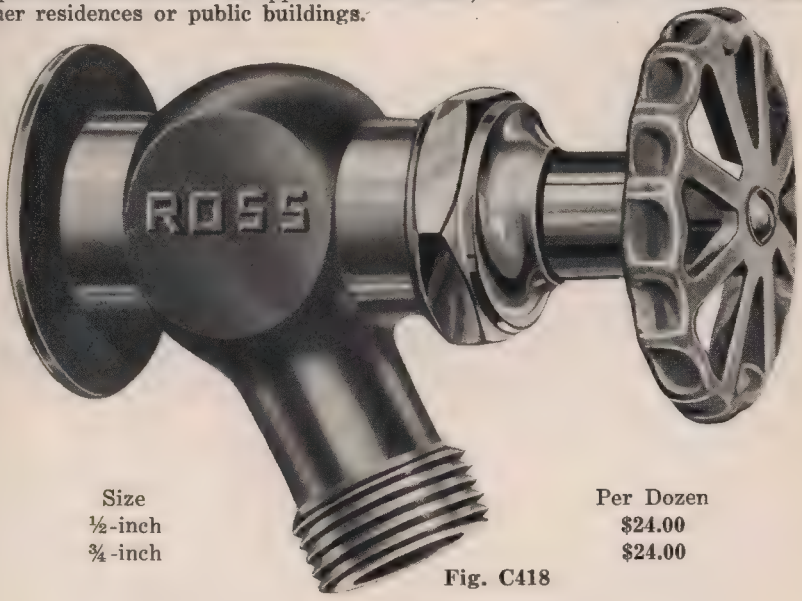
In Dozen Lots	Per Dozen $12.00
Less Than Dozen Lots	Each 1.20

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

No. 1 Sill Cocks

Heavy Pattern—Red Brass—White Nickel.
Extra Large Waterway—Incased Washer.

By removing Wheel Handle it is converted into Lock Shield Sill Cock. This is a special feature and will appeal to the trade, as this Sill Cock can be used on either residences or public buildings.



Size	Per Dozen
½-inch	$24.00
¾-inch	$24.00

Fig. C418

No. 2 Sill Cocks

Red Brass—White Nickel—
Wheel Handle.

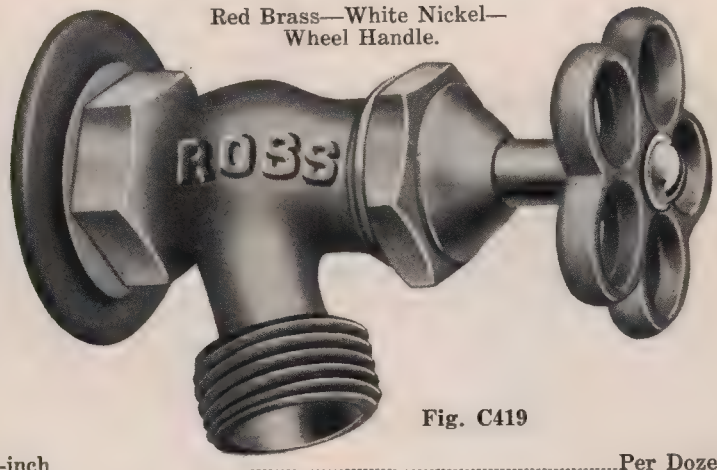


Fig. C419

Size, ½-inch ..... Per Dozen $18.00
Size, ¾-inch ..... Per Dozen 18.00

Boiler Drain Cocks

Red Brass—White Nickel—Wheel Handle.

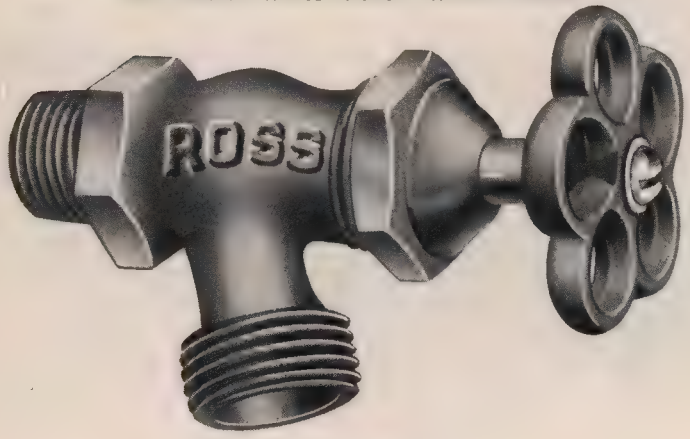


Fig. C420

Size, ½-inch	Per Dozen $14.40
Size, ¾-inch	Per Dozen 14.40

Lever for Low-Down Tanks

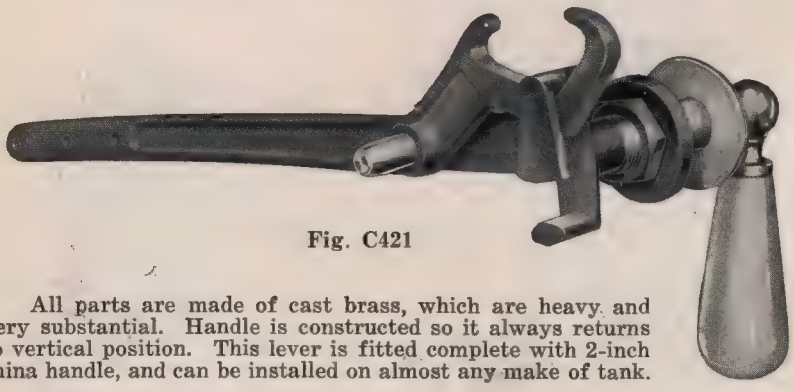


Fig. C421

All parts are made of cast brass, which are heavy and very substantial. Handle is constructed so it always returns to vertical position. This lever is fitted complete with 2-inch china handle, and can be installed on almost any make of tank.

Per Dozen	$24.00
Extra China Handles Only	Per Dozen, $4.80

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Furnace Repairs

Coil Cup.

Dozen $14.40

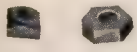
Coil.

Dozen $21.60

Filler Plug.

Dozen $13.20

Nuts.



No. 1. No. 2.
Dozen $0.72

Large Seamless Shield.

Dozen $28.80

Top Plate.

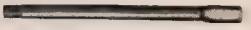
Dozen $11.52

Pump.

Each $3.20

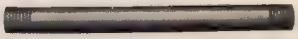
See page 110 for Cup Leathers.

Burner.



Dozen $5.28

Connecting Pipe.



Dozen $4.80

Upright.

Dozen $4.80

Wire for Coil.

Dozen $2.88

Reservoir.

Each $8.40

Plug.

Doz. ..$3.60

Collar.

Doz. ..$7.20

Gas Valve.

Dozen $21.60

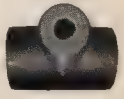
Air Valve.

Dozen $14.40

Handle Ear.

Dozen $4.80

Tee.



Dozen..$7.20

Ell.

Dozen..$6.00

Handle.

Dozen $14.40

See page 54 for Furnace Bulbs.

Pipe Cutter Repairs

ROSS THIN BLADE CUTTER WHEELS

Made from the finest grade of tool steel obtainable for the purpose and are hardened and tempered in oil. The Blades on Ross Wheels are less than one-sixteenth inch thick and absolutely straight from the hub to the cutting edge. They cut pipe with one-third the power and time required with the old-style wheels. With the old-style wheels two-thirds of the operating power is wasted.

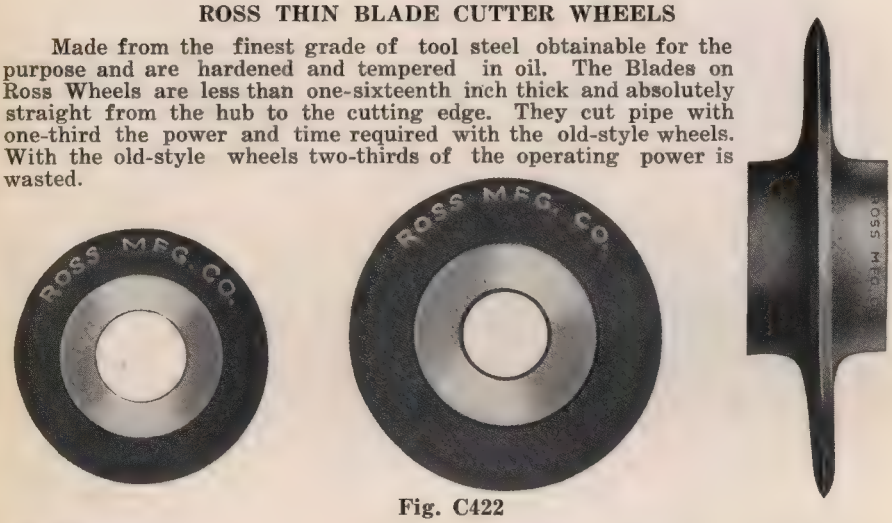


Fig. C422

WHEELS.

Make	PER DOZEN No. 1	No. 2	No 3	No. 4	No. 5	No. 6	No. 7
Barnes	$ 6.00	$ 7.20	$ 9.60	$12.00	$18.00	$18.00	$18.00
Mark	6.00	7.20	9.60	12.00	18.00	18.00	18.00
Saunders	7.20	9.60	18.00	18.00	18.00	.....	.....
Holland	7.20	9.60	18.00	18.00	18.00	.....	.....
Stanwood	7.20	9.60	18.00	18.00	18.00	.....	.....
Trimo	8.40	8.40	10.80	.....	.....	.....	.....
Armstrong	8.40	8.40	10.80	.....	.....	.....	.....
Nye	10.00	11.50	.....	.....	.....	.....	.....
Crown	10.00	11.50	.....	.....	.....	.....	.....

PINS.

Make	PER DOZEN No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7
Barnes	$ 2.40	$ 2.40	$ 2.40	$ 4.80	$ 4.80	$ 4.80	$ 4.80
Mark	2.40	2.40	2.40	4.80	4.80	4.80	4.80
Saunders	3.00	3.00	5.00	5.00	5.00	.....	.....
Holland	3.00	3.00	5.00	5.00	5.00	.....	.....
Stanwood	3.00	3.00	5.00	5.00	5.00	.....	.....
Trimo	3.00	3.00	5.00	.....	.....	.....	.....
Armstrong	3.00	3.00	5.00	.....	.....	.....	.....
Nye	3 60	5.40	.....	.....	.....	.....	.....
Crown	3.60	5.40	.....	.....	.....	.....	.....

ROLLERS.

Make	PER DOZEN No. 1	No. 2	No. 3	No. 4	No. 5
Saunders	$ 7.20	$ 9.60	$18.00	$18.00	$18.00
Holland	7.20	9.60	18.00	18.00	18.00
Trimo	8.40	8.40	10.80	.....	.....
Armstrong	8.40	8.40	10.80	.....	.....
Nye	11.50	18 00	.....	.....	.....
Crown	11.50	18.00	.....	.....	.....

Adjustable Hack Saw Frames

No. 1, Nickel-Plated Steel—Takes Blades from 8 to 12 inches.

Fig. C423

Each $3.00

No. 2, Nickel-Plated Steel—Takes Blades from 8 to 12 inches.

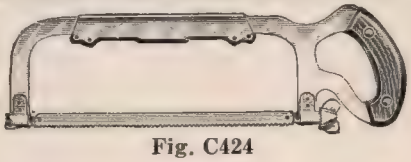


Fig. C424

Each $4.00

Ross Hack Saw Blades

Hard Teeth with Flexible Backs. These blades will not break or shell teeth.

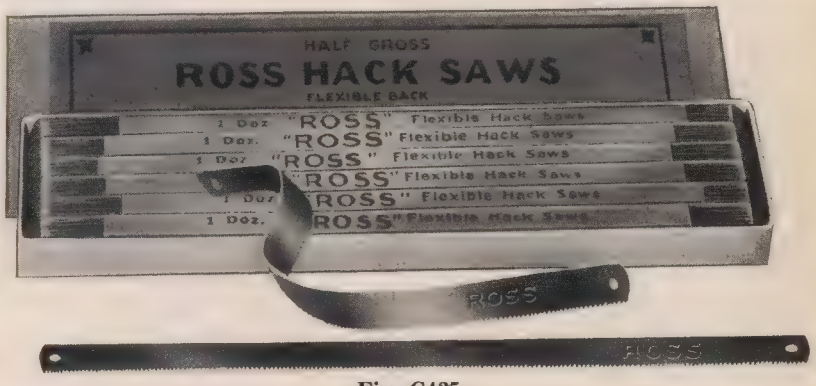


Fig. C425

Size, 8 inches	Per Dozen	$2.00
Size, 9 inches	Per Dozen	2.20
Size, 10 inches	Per Dozen	2.40
Size, 12 inches	Per Dozen	2.80

Packed ½ Gross to the Box.

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Pipe Reamers

Fig. C426

No. 1—⅛ to 1¼-in....Each $3.50
No. 2—¼ to 2 -in....Each 6.00

Pipe Taps

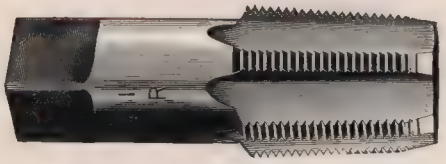


Fig. C427

Size, ⅛-inch	Each	$1.30
Size, ¼-inch	Each	1.40
Size, ⅜-inch	Each	1.60
Size, ½-inch	Each	2.00
Size, ¾-inch	Each	2.60
Size, 1 -inch	Each	3.30
Size, 1¼-inch	Each	5.30
Size, 1½-inch	Each	6.50
Size, 2 -inch	Each	9.00

Tap and Die Set

Fig. C428

Includes the following sizes of taps and dies, 6-32, 8-32, 9-32, 10-24, 10-28, 10-32, 12-24, ¼-20, one tap holder and one die holder.

Price Per Set, complete.....$24.00

Twist Drills

Fig. C429

Seven sizes complete, as illustrated. Per Set.....$7.00

EXTRA DRILLS

Size	Per Doz.
⅛-inch	$ 8.40
5/32-inch	9.60
3/16-inch	10.80
7/32-inch	10.80
¼-inch	12.00
5/16-inch	14.40
⅜-inch	18.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Waste Pipe Cleaners

FOR OPENING UP AND REMOVING STOPPAGES IN WASTE PIPES

Fig. C430

These cleaners are made from a specially prepared tempered spring steel by the crucible process, which means great strength, toughness and flexibility. The flat shape makes these cleaners more flexible, which is necessary for long runs of waste pipe. The special tempering prevents cleaners from curling after constant use. They are stiff enough for rodding purposes and flexible enough for turning at bends and elbows.

Sizes	Each	Sizes	Each
⅛-inch x 25 feet	$3.00	$\frac{3}{16}$-inch x 100 feet	$ 7.70
⅛-inch x 50 feet	4.50	¼-inch x 25 feet	4.00
⅛-inch x 100 feet	6.50	¼-inch x 50 feet	6.50
$\frac{3}{16}$-inch x 25 feet	3.50	¼-inch x 100 feet	10.10
$\frac{3}{16}$-inch x 50 feet	5.50	Extra Iron Handles	.50

The above prices include one handle with each cleaner.

Sewer Rods

Made from a specially prepared tempered steel by the crucible process. These rods are flexible, but stiff enough for rodding purposes, and we guarantee them not to kink or buckle. Sold only as illustrated. They are not fitted with handles.

Fig. C431

Size, ¾-inch x 50 feet	Each $16.00
Size, ¾-inch x 100 feet	Each 30.00

Closet Augers

Brass Tube—Steel Spring.

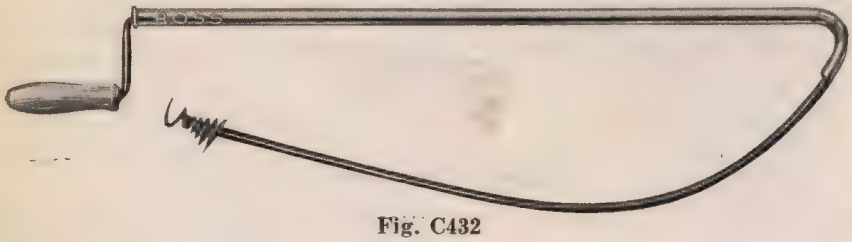


Fig. C432

Size, 3 feet	Each $ 7.50
Size, 6 feet	Each 10.00

REPAIR PARTS

Spring, 3 feet	$2.00
Spring, 6 feet	4.00
Wire Cone Guard	.50
Brass End with Hook	1.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Flexible Waste Pipe Cleaners

For opening up and removing stoppages from Waste Pipes, Closet Bowls, etc.

Springs are ⅜ inch in diameter. They are made of the best steel wire and are strong and flexible. Fitted with Adjustable Iron Handles with Set Screws.

Fig. C433

Length, 15 feet	Each	$6.50
Length, 25 feet	Each	9.40

Bending Springs

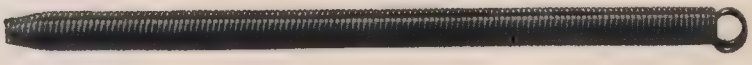


Fig. C434

Size, 1¼-inch	Each	$1.50
Size, 1½-inch	Each	1.80
Size, 2 -inch	Each	2.40

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Wood Handles

For Soldering Coppers and Files.

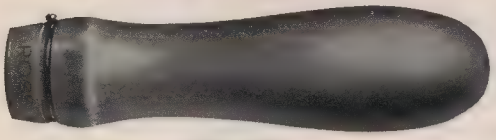


Fig. C435

Per Dozen..... $2.00

Asbestos Joint Runners

Fig. C436

No. 1—For 2, 3 and 4-inch pipe..... Each $5.60
No. 2—For 4, 5 and 6-inch pipe..... Each 6.00

Nickel-Plated Pipe Wrench

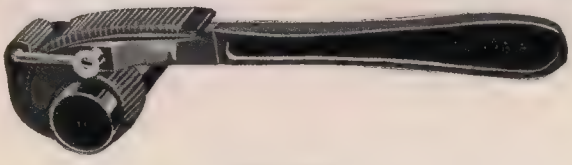


Fig. C437

12-inch—Takes pipe ¼ to 2 inches..... Each $4.00

Strap for Nickel-Plated Pipe Wrench

Fig. C438

12-inch..... Each $1.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Swedging Tools

No. 2

FOR SWEDGING BRASS TUBING

Tempered Steel.

Fig. C439

No. 3

Fig. C440

	Each
No. 1 Complete—1¼-in., 1⅜-in., 1½-in., and 2-in.	$12.00
No. 2—1¼-in., 1⅜-in., and 1½-in.	6.00
No. 3—2-in.	6.00

Solder Pots

Fig. C441

5-inch	Each	$1.40
6-inch	Each	1.60

Wrought Iron Ladles

Double Lipped.

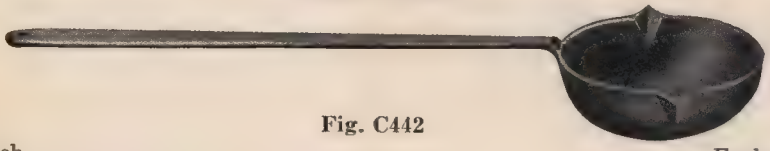


Fig. C442

2½-inch	Each $1.00
3 -inch	Each 1.20

Double Bibb Seat Dresser

Nickel-Plated Tool Steel.

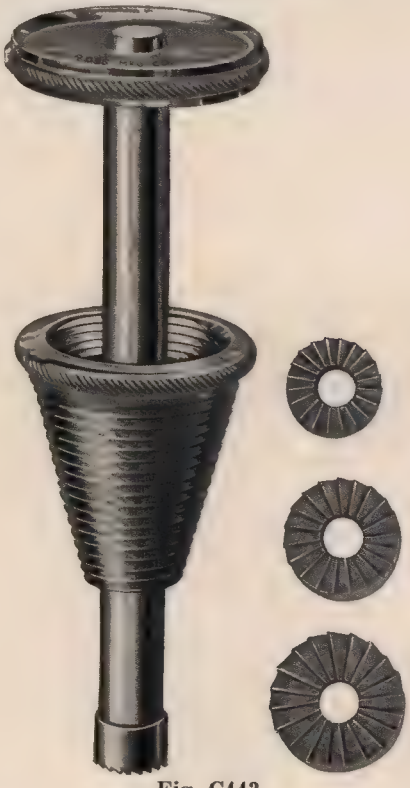


Fig. C443

Complete with 4 Cutters	Each $6.00
Extra Cutters	Per Set 2.40

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Expanding Pliers

For expanding Lead Pipe and Lead Traps.

Fig. C444

Each $8.00

Closet Spud Wrench

For 1¼ and 2-inch Spuds and Lock Nuts.

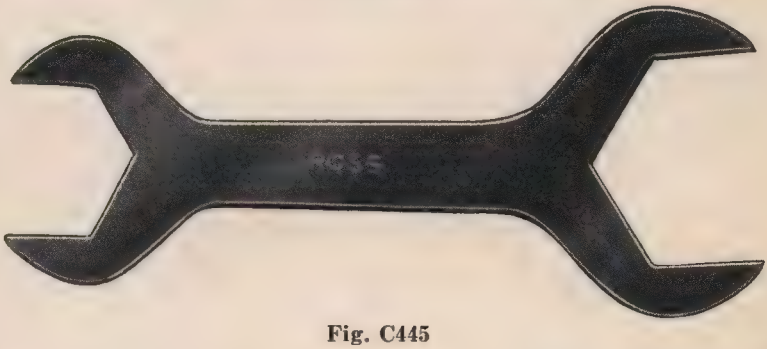


Fig. C445

Each $2.00

Dressers

Fig. C446

Each $4.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Turn Pins

Fig. C447

Size	Per Doz.
No. 1—2¼-inch	$10.00
No. 2—2½-inch	11.00
No. 3—2¾-inch	12.00

Drift Plugs

Fig. C448

Size	Per Doz.
1¼-inch	$3.60
1½-inch	4.00
2 -inch	4.40

Shave Hooks

Fig. C449

Per Dozen	$10.00
Extra Blades. Per Dozen	4.80

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Wiping Cloths

Made from best grade Herringbone Ticking or Moleskin.

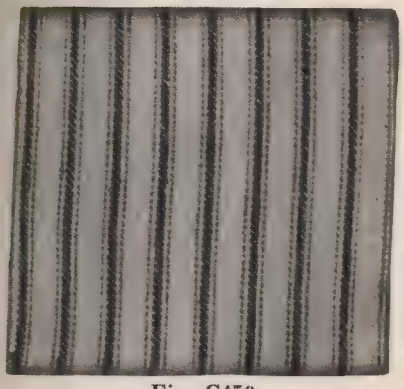


Fig. C450

Size		Per Dozen Ticking	Per Dozen Moleskin
1½x3	inches	$ 6.00	$11.00
2 x2	inches	5.00	9.00
2 x2½	inches	5.60	10.00
2 x3	inches	7.00	13.00
3 x3	inches	8.00	15.00
3½x3½	inches	9.00	17.00
4 x4	inches	12.00	24.00

Tap Borer

Fig. C451

Per Dozen.....$13.70

Basin Plug Wrench

Fig. C452

Per Dozen.....$10.00

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Steel Bending Pin

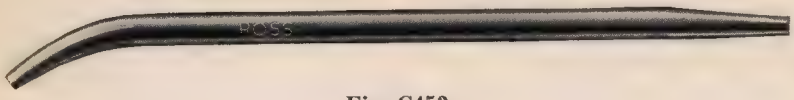


Fig. C453

Per Dozen	$8.00

Soldering Coppers

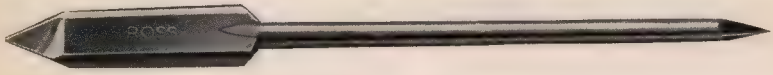


Fig. C454

Weight per Pair, 1 -pound	Each	$0.90
Weight per Pair, 1½-pound	Each	1.40
Weight per Pair, 2 -pound	Each	1.80
Weight per Pair, 3 -pound	Each	2.70

Circle Saws

Similar to the old-style Shell or Stove Drill, but a better and less expensive tool, as the cutting blades can be replaced for a few cents.

The Drill makes the center—a perfect hole every time. This is a very handy tool for Plumbers or Steam Fitters.

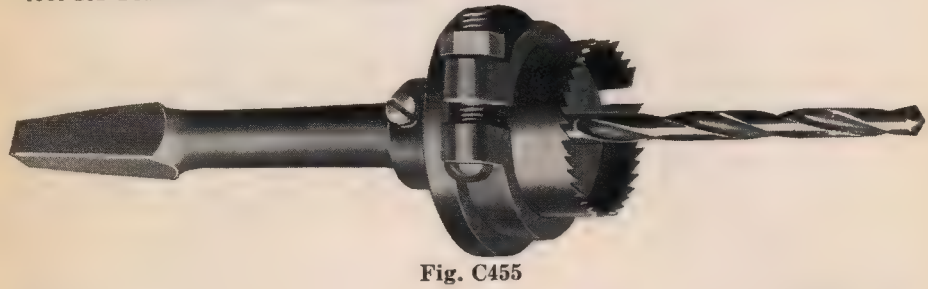


Fig. C455

Size, 1 -inch	Each	$5.20
Size, 1¼-inch	Each	6.00
Extra Blades, either size	Each	.70

Quantities Listed Are Standard Packages. Broken Packages Cause Errors and Delay Shipments.

Ross Valve Stem Packing

This packing is constructed especially for use on valve stems, slip-joint connections, etc. It is made from a carefully selected long and strong fibre of the finest quality of asbestos. Each strand is thoroughly saturated with a special quality of self-lubricating compound before being made up. It will not stick or harden under extreme heat or pressure, and is soft and pliable. The strands are twisted so they can be unwound if necessary.

Fig. C456

Put up on one-pound metal spools.

⅛-inch.....Per Pound $3.20

$\frac{3}{16}$-inch.....Per Pound 3.20

Plumbers' Candles

Fig. C457
For tinning, soldering and light.

Per Box, 20 lbs., 100 Candles $12.80

Asbestos Wicking

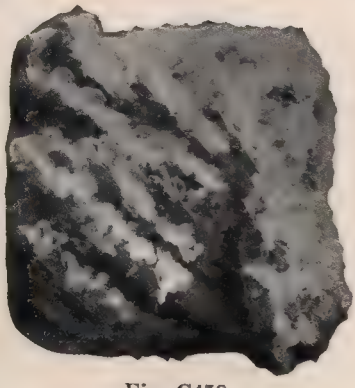


Fig. C458

¼ or ½-Pound Balls.....Per Pound $1.50

Candle Wicking

Extra Fine.

Fig. C459

Per Dozen Balls.....$3.60
Per Bag, 40 Balls..... 8.00

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